

SECRET

PROFESSOR NOACK AND THE HAUHEIM CIRCLE

The Hauheim Circle is a small, increasingly active, group of west German intellectuals advocating a "neutralization" of Germany in the East-West struggle and the withdrawal of all occupation troops. The principal themes of Professor Noack, its representative spokesman, are the necessity of a reunion of Germany and the establishment of Germany as a recognized neutral area.

The significance of the Hauheim Circle lies largely in the parallelism between its propaganda and that emanating from the Eastern Zone in the Soviet-sponsored "National Front" campaign. The latter, for western German consumption at least, has recently laid great stress upon the themes of German national unity (along Communist lines) and pacifism. Noack is a convenient and friendly tool for officials in the Soviet Zone, though possibly unconscious of this role, and will probably remain so.

The significance of the Circle is reinforced somewhat by a second parallelism between its views and those of various strictly non-Communist moderates such as Pastor Niemöller, who tend to favor a pacifist approach and are frankly against a continued partition of Germany.

The Hauheim Circle, together with other groups advocating a unified and "neutral" Germany, are in the extreme minority at this time and have little influence except among certain nationalist and rightist movements. Despite this present weakness, however, these groups are potentially capable of influencing a broad mass of west Germans who are traditionally conservative and at the same time nationalistic. The bulk of these west Germans are now loosely affiliated with either the parties of the Government or with the parties and associations of the extreme Right.

The attitude of conservative Germans toward the program of the Hauheim Circle will be determined by two main factors. The first factor will be the ability of Western Europe to absorb western Germany into a viable political, economic, and defense system which will satisfy the minimum aspirations of patriotic Germans and which will provide a tolerable level of economic activity in west Germany. If such conditions can be realized, west Germans will not be inclined to seek a solution of their problems in association with the USSR. The second factor involves the future political and economic status of eastern Germany and the degree to which this Zone becomes communized. Even assuming that the west Germans become dissatisfied with the West and desire closer relations with the USSR as a means of achieving national unity, expanded markets, etc., the great majority would be disinclined even to attempt to assimilate eastern Germany if the latter had been fully converted into the pattern of a communist state.

25X1C

25X1B

[REDACTED] in addition to that already provided in connection with this project, is appended. Appended also is [REDACTED] dated 8 December 1949, concerning this subject.

25X1C

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25X1A

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CENTRAL INTELLIGENCE AGENCY

Project: **IP-66**

OFFICE OF REPORTS AND ESTIMATES

Project Initiation Memorandum

Date: **7 Feb. '50**

To: **D/No**

From: Publications Division, Projects Planning

Subject: **Communist Threat in Greenland**

REL

Statement of Project: **25X1A**

Origin: **Internal** [REDACTED]

Problem: **To estimate any known Communist threat to Greenland**

Scope: **Attention is drawn to the exploration and development of lead deposits as a possible strategic objective.**

Graphics (if any): **None**

Form: **Memo to be prepared in final form by D/No**

Draft due in D/Pub: **earliest convenience**

Dissemination deadline
(if any)

Responsible Division: **D/No**

Internal Coordination: **Int. Communism Group**

Departmental Responsibilities: **None**

Classification to be no higher than: **TOP SECRET**

Recommended Dissemination: **Requester only**

SECRET

IP-66

2 February 1950

MEMORANDUM FOR: D/Pub, ORE

ATTENTION :

25X1A

SUBJECT :

Communist Threat in Greenland

1. Request this office be furnished a brief estimate covering any known internal Communist threat to Greenland. Possible exploration and development of lead deposits in that country could conceivably give rise to increased activity there.

2. Please advise this office by phone in the event you desire to transmit this information via discussion at working level.

25X1A

REFERENCE: Case

SECRET

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D/Pub, ORE

18 February 1950

D/No

25X1A

IP-66; Case [REDACTED] Communist Threat in Greenland

ORE has no evidence of any internal Communist threat in Greenland. During 1947 two reports were received stating that three Danes resident in Greenland were Communists. Both reports are considered of doubtful validity and no further information concerning the subjects was received. There have been no reports of any significant Communist movement among the population (roughly 500 Danes and 20,000 Greenlanders) and it is considered unlikely that any such movement exists.

[REDACTED] 25X1A

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CENTRAL INTELLIGENCE AGENCY

Project: **IP-67**

OFFICE OF REPORTS AND ESTIMATES

Project Initiation Memorandum

Date: **9 Feb. '50**

To: **D/EA, D/FE, D/EE**

From: Publications Division, Projects Planning

Subject: **East-West Trade**

25X1A

Statement of Project:

Origin: **Internal** 

Problem: **To furnish information on limitations on trade with the USSR and its satellites.**

Scope: **Three questions are asked (see attached note):**

- (1) Present US policy on export controls**
- (2) Trade, controls, and their effect upon shortages in EA areas**
- (3) Trade, controls, and their effect upon shortages in FE areas**

Graphics (if any): **None**

Form: **Draft memoranda**

Draft due in D/Pub: **1 March '50**

Responsible Division: **D/EE, with respect to (1)
D/EA, with respect to (2)
D/FE, with respect to (3)**

Dissemination deadline
(if any)

1 March '50

Internal Coordination: **D/EA and others as needed**

Departmental Responsibilities: **None**

Classification to be no higher than: **Top Secret**

Recommended Dissemination: **Requester only**

Note: Requester has **IM-127, IM-245.**

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25X1A

13 April 1950

Extra (photostat) copy of secret portion of
IM-67 and file copy of top secret portion
of IM-67, together comprising the total IM,
were sent to OIR on 28 April at request of
DAD/ORE, acting on recommendation of Chief,
D/EE.

25X1A

*is T.G. -
checking in portions of this JTB*
REL
28 Apr 50

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1P-67
SUBJECT: East - West Trade (i.e. limitations on USSR and satellite imports from the US and countries cooperating with the US)

1. It is requested that you procure and furnish in writing.

a. Summary treatment of

(1) National policy considerations pertinent to subject.

(2) Policies and regulations in effect:

(a) Respecting US exports.

(b) Respecting exports from areas under US occupational control.

(c) Respecting exports from countries cooperating with the US.

(3) USSR and satellite imports of strategic commodities and items:

(a) By category of import.

(b) By immediate commercial source.

(c) By producer of item.

(d) By means of payment used by USSR and satellites.

(e) Trends over the past five years (1945-1949).

(4) Critical shortages in:

(a) The USSR.

(b) Each satellite area including Northern Korea, and Communist China.

25X1A

Reference: Case [REDACTED]

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28 February 1950

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IP 07 - L/FE Contribution

Paragraph (2) (c)

EXPORT CONTROLS OF THE REPUBLIC OF KOREA:

Legal exports from the Republic of Korea are controlled ^{to} the extent that the exporter must obtain an export license, the commodity exported must be on an approved list and is not a government monopoly, and foreign exchange received be deposited in the Korean Foreign Exchange Bank. Exports to north Korea were forbidden by law in April 1949. Although the official attitude of the ROK is that exports may go to any area, indications are that requests to export to Communist areas are discouraged by tacit agreement in the administrative machinery.

The question of export controls from the Republic of Korea, becomes almost academic when it is realized that a large percentage of non-governmental exports from south Korea are illicit. The small Chinese community, concentrated in the port cities of INCHON, PUSAN, and MUNSAN, exercise an estimated 80% control over south Korea's foreign trade. All indications point to a thriving smuggling trade between Communist China, north Korea, and Japan, generally carried out by these Chinese. Smuggling meets with little official interference due to the weakness of the south Korean coast guard, and to the corruptness and inefficiency of customs officials.

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ANNEX 'A'

D/Ec Contribution

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313

January 15, 1950

ACR DOCUMENT NO. 1 - UNITED STATES CLASS 1A LIST (No. 7)*

Item, including plants, containing components classified as 1A should generally assume the higher classification when the Class 1A component or combination of Class 1A components constitute a principal element of the product in value or quality and/or can be feasibly removed and used for other purposes.

I. METALWORKING MACHINERY

1. Shell lathes
2. Cartridge case trimming and head finishing lathes
3. Relieving lathes
4. Shell tappers
5. Propeller profiling machine (cutter and grinder)
6. External thread milling machine, 6-inch work diameter and over
7. Universal thread milling machine (not including automatic), 6-inch work diameter and over
8. Large bore thread milling machine
9. Spar millers
10. Rifle-working machines
11. Shaving machines, not including gear machinery
12. Military type jigs, fixtures, and plate metalworking accessories (except machine)
13. Deep hole drills and deep hole drilling machines
14. DELETED 11-3-49 (Amendment 18)
15. Armor plate drilling machines (not including radial)
16. Vertical boring and turning mills, 72" and over
17. Boring and combination boring and turning lathe
18. Broaching machines
19. Automatic screw machines, multiple spindle (bar) type
20. Spiral bevel gear generators and gear-cutting machines, not including planer type
21. Gear hobbers, 24 inches or over

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22. Full automatic internal cylindrical grinding machines:
(a) automatic sizing (b) centerless
23. Centerless external cylindrical grinding machines
24. Cam, crank pin and crankshaft grinder
25. Automatic oscillating race radial grinders
26. Honing and lapping machines, except gear, 8-inch and over
27. DELETED 11-3-49 (Amendment 20)
28. Special boring machines for aircraft bomb nose and tail
29. Special artillery centrifugal casting machines
30. Special spinning lathes for bombs
31. Hydraulic presses for shell banding (tire setters)
32. Special forging machines, bomb nose and tail
33. All machines and equipment specially designed for manufacturing ammunition
34. Presses, heavy duty, 1000 tons and over
35. Automatic balancing and automatic balancing and correcting units:
(a) Automatic Balancing Units - which determine and indicate the location and/or amount of unbalance in an object being balanced, provided these units can be applied to balance more than one object, or a single object which is an item or a component of an item on the Munitions List or the IA List:
(b) Automatic Balancing and correcting units which determine the location and the amount of unbalance and automatically perform the operation of the correction, provided these units are designed for, or can be used for, the balancing and correcting of an item or a component of an item on the Munitions List or the IA List.
36. All tools, including dies and slugs, incorporating industrial diamonds
37. Component parts and subassemblies and attachments for the foregoing machines
38. Continuous strip mill and controls
39. Plate mill and controls
40. Electric motors over 1000 h.p. and controls, reversible type
41. Seamless tube mill and controls

II. PETROLEUM

1. Aviation motor fuels, 86 octane and above
2. Lubricating oils, aviation, high viscosity index
3. Lubricating oils, aviation, medium viscosity index
4. Lubricating greases, except graphite: (a) containing synthetic oil (b) containing lithium soap (c) for very high or very low performance (temperature and/or pressure)
5. Additives for motor oil
6. Reference fuels
7. Hydraulic oils containing synthetics
8. Heavy duty detergent motor oils
9. Extreme pressure gear oils, lubricants
10. Special fuels and lubes for use at low temperatures
11. Blending agents for aviation gasoline, as listed below:
(a) alkylates (b) cumene and substitutes (c) hydrocodimers
(d) hydropolymers (e) isohexanes (f) isooctanes (g) isopentanes
(h) isopropyl ether (i) neohexanes (j) triptane (k) tetraethyl
lead and TEL fluid (fluid to include naphtha containing more
than 3 cc. of TEL per gallon).

III. PETROLEUM EQUIPMENT

1. Alkylation, thermal or catalytic cracking, isomerization and hydroforming equipment, including complete plants
2. Oil well drilling and exploration equipment
3. Solvent treatment equipment for lube oil production
4. Casing and oil line pipe, seamless and welded

IV. COAL EQUIPMENT

1. DELETED 1-4-50 (Amendment 35)
2. Combination coal-cutting and loading devices, continuous and intermittent

V. TRANSPORTATION EQUIPMENT

1. Diesel injection type engines, 60 h.p. and over
2. Tankers
3. Tank cars and trucks
4. Well cars over 10 tons

VI. STEEL MILL PRODUCTS

1. Gilding metal, clad
2. Landing mats
3. Gun forgings, rough and gun forgings, alloy, rough
4. All alloy steels containing one or more of the following metals: (a) 5% or more tungsten; (b) 2% or more molybdenum; (c) 4% or more cobalt; (d) any quantity of tantalum, titanium or columbium
5. Ferro columbium
6. Ferro zirconium

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CLASS 1A LIST (No. 7)

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VII. NONFERROUS METALS

1. Copper rotating bands for shell and other copper munitions components
2. Brass rolled cartridge strip
3. Brass and bronze fabrications for munitions, anvils, fabrications for bullet cup (gilding metal clad steel), cartridge belt link, primer cap, shell rotary bank
4. Cobalt ore, residue and metal, and cobalt bearing scrap (concentrate, arsenical, crystals)
5. Columbium (niobium) metal, alloys, ore, concentrates, and scrap
6. DELETED - 1-4-50 (Amendment 35)
7. Zirconium metal, alloys and compounds
8. Bismuth metal
9. Strontium ores, concentrates, metal, and compounds
10. Titanium metal
11. Magnesium silicate (steatite)
12. Tin
13. Molybdenum metal, ore, concentrates, alloys, compounds, cemented or sintered carbides and scrap

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VIII. CHEMICALS

1. Aluminum chloride, anhydrous
2. Barium nitrate, barium chromate
3. Calcium and potassium permanganates
4. Dinitrotoluene solids and oils
5. Diphenylamine, ethyl and methyl centralite, and other stabilizers for explosives
6. Hexamethylenetetramine
7. Hydrazine Hydrate and Hydrazine
8. Mercury fulminate, lead azide, lead styphnate, lead thiocyanate
9. Nitroguanidine
10. Polyethylene
11. Silicone high vacuum grease, and stopcock greases, both high-vacuum and regulars
12. Sodium (metallic)
13. Styrene, dichlorostyrene, polystyrene, molding powders, sheets, rods and tubes
14. Hydrogen peroxide (over 50% strength)
15. DELETED - 1-4-50 (Amendment 35)
16. Pentaerythritol and derivatives
17. Potassium tetroxide
18. Teflon and products made from teflon
19. Liquid gum inhibitors for treating petroleum distillates

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IX. CHEMICAL EQUIPMENT

1. Ammonia oxidation equipment
2. Hydrogenation equipment designed to operate under pressure of 50 lbs. per square inch
3. Autoclaves and digesters for operation at pressures over 100 lbs. per square inch
4. Nitrators
5. Methanol oxidation equipment
6. Gas liquefying equipment and equipment for handling liquefied gas
7. High pressure containers for storing or transporting gas or lower hydrocarbons at pressures over 300 lbs. per square inch
8. Hydrogen-producing equipment (water gas, electrolytic, gas cracking, gas extraction processes)
9. High pressure processing equipment including valves and pressure vessels operating over 500 lbs. per square inch
10. Acid concentrating equipment
11. Compressors delivering liquids or gases at 300 lbs. per square inch or over
12. Penicillin and streptomycin plants and all specialized equipment including fermenters, sterilizers and mycelium separators
13. Gauges for measuring pressures in excess of 100 atmospheres (gauge pressures of 1470 pounds per square inch or 103 kilograms per square centimeter)

X. PRECISION INSTRUMENTS, SCIENTIFIC EQUIPMENT, ELECTRONIC TESTING EQUIPMENT, ETC.

1. Analytical balances, 1/100th milligram or under
2. Micro-balances, 1/1000th milligram or under
3. Electronic balances
4. Vacuum tube voltmeters with full scale sensitivity lower than 1 volt
5. X-ray diffraction units
6. X-ray diffraction tubes; all X-ray tubes 1000 PKV and over
7. Electronic amplifiers, laboratory type
8. Photomultiplier tubes
9. Electrostatic precipitators capable of removing 90% or more of all airborne particles down to sizes as small as 1/250,000 of an inch
10. Special tubes or valves (and parts thereof): (a) magnetrons; (b) klystrons; (c) traveling wave tubes; (d) rectifiers (10 KV and over); (e) emission limiters (10 KV and over); (f) regulators (10 KV and over); (g) electron wave tubes; (h) memory or storage tubes (computer); (i) photoelectric cells with S-1 response (infrared); (j) all other types designed to operate with applied voltage of 10 KV or over, or at frequencies of 500 mc or over
11. Subminiature tubes: (a) Subminiature tubes with a maximum cross-sectional dimension of 0.4 inches or less; (b) Type 6L4 Acorn Tubes; (c) Crystal rectifiers employing germanium (silicon type excluded) and transistors
12. Impulse registers or counters (over 20 counts per second)
13. Vacuum tube manufacturing machinery (a) stem machine (for firing stems) (b) stem forming machine (c) filament winding machine (d) filament forming machine (e) grid winding, curving welding machine (grid lathe) (f) welding machines for tube mounting (g) sealing, exhausting, getter flash machine (h) DELETED 11-15-49 (Amendment 25) (i) basing machine (j) rotary exhaust machines (k) special dies, forms, hobs and jigs for tube production (l) production tube test equipment
14. Electronic computers, except business type calculating machines
15. Metallurgical microscopes
16. Electron microscopes
17. Pyrometers: (a) Optical pyrometers - disappearing filament types; (b) Radiation pyrometers - with sensitive receiver consisting of either a thermocouple (with or without protecting tube) or a "sighting" device whereby heat is focused on a thermopile by a lens or mirror

X. PRECISION INSTRUMENTS, SCIENTIFIC EQUIPMENT, ELECTRONIC TESTING
EQUIPMENT, ETC. (Continued)

18. Metallographs
19. Diffraction gratings, originals - plane or concave, with rulings or 15,000 or more lines per inch; ruled width 2 inches or greater
20. Electrometers, except student type

21. Infra-red absorption meters
22. Leak detecting instruments
23. Spectrographs, optical: (a) grating spectrographs with, or designed for use with, plane or concave diffraction gratings having 15,000 or more originally engraved lines per inch and a ruled surface of 2 inches or greater; (b) prism spectrographs with, or designed for use with, dispersing prisms having refractory face 35 mm. or more in width
24. Spectrum analyzers
25. DELETED 11-15-49 (Amendment 25)
26. Densitometers - measuring directly by photomultiplier tube circuit
27. DELETED 10-20-49 (Amendment 16)
28. Radio frequency generating and/or measuring test equipment, 500 mc and above, and special components thereof
29. Electronic distance measuring equipment
30. Range calibrators for calibrating range measuring circuits of electronic equipment utilizing pulse techniques
31. Synchronizing units for generating trigger pulses and timing signals for pulse-tube electronic equipment
32. Wave guide components: junctions, slotted sections, crystal mounts, rotating joints, probes, adaptors, bands, terminations, clamps, and other such components designed for use at frequencies of 500 megacycles and over
33. Antenna pattern recorders, 500 megacycles and over
34. Meteorological sounding balloons 1100 gr. or larger
35. Searchlight control units
36. Searchlight filters, orbit
37. Alternating current generators, rotating type, 400 cycles and above
38. Transmitter-receiver tubes, anti-transmitter-receiver tubes and ruggedized tubes
39. Subminiature condensers and subminiature resistors
40. Geophysical instruments for prospecting: (a) magnetometers (b) potentiometers (c) seismometers (oil) (d) recording

LA List (No. 7)

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41. Echo ranging and radio transmission equipment, types TDE, TDM and RAK
42. DELETED 11-25-49 (Amendment 30)
43. Cathode-ray oscilloscopes having the provision for a timebase of 2 micro-seconds or less
44. Electric impedance meters and special components thereof, designed for use at frequencies of 500 megacycles and over
45. Resistors, temperature sensitive, specially designed for use in sensitive milliwattmeters or bolometers

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XI. MISCELLANEOUS

1. Bullet-proof and run-flat truck and bus casings and inner tubes
2. Asbestos (strategic grades): Amosite-Standard commercial grade B-1, B-3 and 3/MD-1
3. Mica (strategic grades): block (good stained or better), film, and muscovite splittings and phlogopite splittings which conform to the American Society of Testing Materials standards or to India-Calcutta standards
4. Quartz crystal and plates
5. All foil-rolling equipment
6. High-speed compressors for wind tunnels (8000 rpm or over, or with MACH number 0.7 or over)
7. Complete tire manufacturing plant
8. Diamonds, dust or powder, and all diamonds suitable for industrial use (including splints and borts)
9. Automatic control valves
10. Valves with corrosive-resistant lining
11. DELETED 9-15-49 (Amendment 15)
12. Equipment or plants for continuous casting of semi-finished steel
13. Turbo blowers or exhausters having a compression ratio of 2 to 1 or better
14. Complete blooming mills
15. Hydraulic fluids: (1) non-inflammable, aircraft type
(b) castor oil base
16. Artificial graphite in the form of blocks, bricks, plates, rods and electrodes of 2 inches cross-sectional dimension and over and scrap derived from any of these forms, except forms incorporated as integral parts of other equipment
17. Artificial graphite crucibles

*This list incorporates all changes to date approved by the Advisory Committee on Requirements, as recorded in ACR Program Determination No. 1 Amendments 27 through 36. Within this group of amendments, Nos. 28 and 34 were assigned but not used. These numbers on your records should be marked as canceled.) Amendment 37 supersedes

Amendment 26

ANNEX "B"

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February 1, 1950

ACR DOCUMENT NO. 10 - UNITED STATES CLASS 1B List (No. 7)*

I. METALWORKING MACHINERY

1. Automatic chucking and between-center lathes (I)
2. Combination miller and planer with double housing and open side, 48 inches and over (I)
3. Gear shapers (I)
4. Form milling type gear cutting machines (I)
5. Planer-type gear cutting machines (I)
6. Unit head and way type drilling machines (I)
7. Vertical inverted spindle drilling machines (I)
8. Vertical multiple spindle surface grinding machines (I)
9. Full automatic surface grinding machines (I)
10. Plain standard and plain raised external cylindrical grinding machines, 20 inches and over (I)
11. Traveling table-type and traveling wheel-head type roll grinders, 20 inches and over (I)
12. Gear tooth grinding machines (I)
13. Spline grinders (I)
14. Contour profile grinders (I)
15. Jig grinders (I)
16. (a) Thread grinding machines (I)
(b) Thread rolling machines (III)
17. Chucks and collets for machine tools: air-operated; hydraulic-operated; magnetic; permanent magnet (III)
18. Vertical, single- and double-end, power-driven punching machines, including combination punch and power shear (III)
19. Horizontal power-driven punching machines (III)
20. Multiple straight-line, housing type, power-driven punching machines (III)
21. Double beam power-driven punching machines (III)

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22. Single- and double-end power-driven bar and angle shears, 1-inch round bar capacity and over (III)
23. Bar and billet (guillotine or housing type) power-driven shears, $1\frac{1}{2}$ inch square bar capacity and over (I)
24. Power-driven rotary shears: circle; slitting, single disc; throatless disc type (I)
25. Presses, heavy duty, under 1000 tons (I)
26. Horizontal, double-end, combination punch and bender, 1-inch plate and over (III)
27. Punching and shearing machines, except sprue cutters and nibbling machines (III)
28. Power-driven can-making machines and line components
29. Precision-type die-casting equipment except special artillery (I)
30. Machinery for drawing and/or tempering wire and tubing .015 inches in diameter or less (I)
31. Portable machine tools so designed that they must be attached to the work to operate
32. Gas welding machines (III)
33. Roll-over type molding machines (III)
34. Jolting and jarring type molding machines (III)
35. Metal-cutting tools, not incorporating industrial diamonds, for machine operations: (a) broaching cutting (b) all carbide and carbide tipped (c) gear cutting, except milling type (d) lapping (e) forming roll sets (III)
36. Boring bars, 1 inch diameter and above, for use in power-driven metal-cutting tools (III)
37. Screw machine tool holders, except arbors and chucks (III)
38. Indexing face plates for use in power-driven metal-cutting tools (III)
39. Turret lathes (I)
40. Pipe threading and cut-off machines, 8 inches and over (I)
41. Pipe and nipple threading machines, 8 inches and over (I)

42. Heading and upsetting forging machinery (I)
43. Nut forging machinery (I)
44. Cupolas and core machines for foundries (III)
45. Forging rolls and swaging machinery (I)
46. Steam and air hammers, rated size 2000 lbs. or over (I)
47. Mechanical hammers, rated size 1800 lbs. or over (I)
48. Crankshaft and axle lathes (I)
49. Die sinking machines (I)
50. Precision boring machines with tolerance of .0005 inch or less, n.e.s. (I)
51. Jig boring machines (I)
52. Vertical multiple spindle, adjustable joint, tapping machines (I)
53. Gear hobbers under 24 inches (I)
54. Straight bevel gear cutting machines (I)
55. Upright type, multiple spindle drilling machines (I)
56. Radial drilling machine, 13 inch column or over, plain and traversing type (I)
57. Plate planer with double housing and open side, 48 inches and over (I)
58. Rotary planer with double housing and open side, 48 inches and over (I)
59. Horizontal hydraulic shapers (III)
60. Horizontal draw-cut shapers (III)
61. Horizontal draw-cut, combination boring and drilling shapers (III)
62. Horizontal traveling-head shapers (III)
63. Vertical hydraulic shapers (III)
64. Mechanical and hydraulic feed internal cylindrical grinding machines: (a) combination hole and face (b) planetary (I)
65. Tool and cutter grinders for broaching tools (III)

1B List (No. 7)

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66. Honing and lapping machines, except gear, under 8 inches (I)
67. All gear honing, lapping, and finishing machines (I)
68. Engine lathes: (a) multi-tool (b) toolroom and toolmaker (c) automatic form turning (d) hollow spindle (not including boring) (I)
69. Vertical boring and turning mills under 72 inches (I)
70. Milling machines: (a) automatic knee type (b) bed type (III)
71. Profiling and duplicating milling machines, except propeller (I)
72. Horizontal combination boring, drilling, and milling machines: (a) rotary table type (b) floor type (c) planer type (d) multiple head type (I)
73. Contour band sewing and/or filing machines (III)
74. Combination lathe, drilling, and milling machines (I)
75. Full automatic power-driven bending and forming machines: (a) binding rolls (b) brakes and folders for sheet and plate (c) pipe flanging machines (III)
76. Components, subassemblies, accessories and automatic controls for all foregoing machines (III)
77. Automatic multiple spindle drilling machines consisting of a cluster of spindles driven from one power unit (I)
78. Automatic balancing and automatic balancing and correcting units: (a) Automatic balancing units which determine and indicate the location and/or amount of unbalance in an object being balanced, provided these units are designed for, and can be used only for, the balancing of a specific object which is not an item or a component of an item on the Munitions List or the 1A List; (b) Automatic balancing and correcting units which automatically determine the location and the amount of unbalance and automatically perform the operation of correction provided these units are designed for, and can be used only for, the balancing and correcting of a specific object which is not an item or a component of an item on the Munitions List or the 1A List. (III)
79. Plate shear, power-driven, squaring and gate type, 5/8 inch and over (III)

II. CONSTRUCTION AND CONVEYING MACHINERY

1. Concrete mixers with capacity of 27 cubic feet or over (I)
2. Road machinery: (a) compacting rollers, either wheel or sheeps-foot type, $\frac{1}{2}$ ton and over (b) batching plants (c) bituminous distributors (d) crushing and screening plants above 10 tons per hour capacity (I)
3. Excavators, including power shovels, of 4 cubic yard capacity or more, and parts and accessories for same (I)
4. Self-propelled graders (I)
5. Self-loading scrapers (automatic, excluding hand-operated) (I)
6. (a) Bulldozers, angledozers, trail builders, and brush cutters, including snowplow attachments (65 h.p. and over, U. S. standards) (I)
(b) Tractors (65 h.p. and over, U. S. standards) (II)
7. Cranes with 30-ton capacity and over

III. PRECISION INSTRUMENTS, SCIENTIFIC APPARATUS, etc.

1. Precision resistance, impedance, capacitance or inductance bridges, and combinations of such (values of 2000 ohms and over) (I)
2. Precision multimeters, voltmeters, ammeters, ohmmeters, and micro-ammeters, including portable test types (I)
3. Laboratory furnaces
4. Vacuum pumps (I)
5. p H meters, indicating type (I)
6. Analytical balances with .01 milligram accuracy or over, excluding student types (III)
7. Precision industrial indicating, controlling and/or recording instruments for pressure, flow temperature, humidity, or gas analysis, n.e.s. (III)
8. Cathode-ray oscilloscopes except those types having the provision for a timebase of 2 micro-seconds or less (I)
9. Recording oscillographs, n.e.s. (I)
10. Jewel bearings (II)
11. Optical curve generators (III)
12. High precision optical glass (III)
13. Optical glass containing rare earth elements (III)
14. ~~Radio~~ transmitting tubes, n.e.s. (III)
15. Radio transmitting apparatus, n.e.s. (III)
16. ~~Radio~~ receiving tubes, n.e.s. (III)
17. Radio receiving sets, communication type (III)
18. Chokes and communications transformers (III)
19. Instrument transformers (III)
20. Mercury power rectifiers, under 10 KV (III)
21. Hydrophone equipment (I)

22. Refractometers (I)
23. X-ray tubes under 1000 PKV, with effective focal spots 4 mm square or less (except those 50 PKV to - but not including - 140 PKV and except diffraction tubes) (III)
24. Pyrometers: (a) optical pyrometers - except disappearing filament types; (b) radiation pyrometers - except types with sensitive receiver consisting of either a thermocouple (with or without protecting tube) or a "sighting" device whereby heat is focused on a thermopile by a lens or mirror. I
25. Diffraction gratings, originals, except plane or concave, with rulings of 15,000 or more lines per inch, ruled width 2 inches or greater (III)
26. Spectrographs, optical, except (a) grating spectrographs with, or designed for use with, plane or concave diffraction gratings having 15,000 or more originally engraved lines per inch and a ruled surface of 2 inches or greater, and (b) prism spectrographs with, or designed for use with, dispersing prisms having refractory face 35 mm. or more in width (I)
27. Densitometers, except those measuring directly by photomultiplier tube circuit (III)
28. Vacuum tube voltmeters, except types with full scale sensitivity lower than 1 volt (III)
29. Vacuum measuring gauges, except ionization type (III)
30. Electric cables and wave guide components (junctions, slotted sections, crystal mounts, rotating joints, probes, adapters, bands, terminations, clamps and other such components) designed for use at frequencies less than 500 megacycles (III)
31. Electric impedance meters and special components thereof, designed for use at frequencies under 500 megacycles (III)
32. Antenna pattern recorders, with range from 250 up to but not including 500 megacycles (III)
33. All electronic tubes and parts, commercial and industrial, except radio and tungar tubes, n.e.s. (I)

**Because it has not been found practicable from a technical viewpoint to specify the particular items within these categories which are of a specialized advanced technological nature, these items are listed in generic terminology.

IV. TRANSPORTATION EQUIPMENT

1. Seamless cupro-nickel condenser tubes (I)
2. Feed water heater for boilers of 300 h.p. or over (I)
3. Scotch and watertube boilers for engines of 300 h.p. or over (I)
4. Valves and bearing for marine steam engines (III)
5. Locomotives and locomotive parts (I)
6. Merchant vessels (I)
7. Internal combustion marine engines, carburetor type, over 50 h.p. (I)
8. Railway freight cars, over 10-ton capacity (III)
9. Brake equipment, and parts (except handbrakes) for freight cars over 10-ton capacity (III)
10. Components for freight cars over 10-ton capacity (III)
11. Automatic railway signals, attachments and parts (I)
12. Boat propellers and blades (brass and bronze) except for small pleasure craft (III)
13. All multiple-drive vehicles and multi-drive units and components (I)
14. All self-propelled vehicles over 5-ton capacity (II)
15. Trailers above 5-ton capacity, excluding log yarders (III)
16. Tank barges (I)
17. Watercraft, 1500 tons displacement or over (I)
18. Automotive parts and gasoline engines (excluding batteries, battery boxes, ball and roller bearings and parts, tires, inner tubes, asbestos brake linings, clutch facings or fan bolts) (II)

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V. CHEMICALS

1. Acetic acid (over 80%) and acetic anhydride (III)
2. Aniline (II)
3. Benzene (II)
4. Cellulose nitrates, all grades (III)
5. Cellulose, purified (dissolving and nitrating grades) (II)
6. Chlorates and perchlorates (II)
7. Chlorobenzenes (II)
8. Dimethylaniline (II)
9. Ethyl cellulose (II)
10. Ethylene dibromide (II)
11. Formaldehyde (II)
12. Glycerine (II)
13. (a) Methacrylate resins, molding powers (II)
(b) Methacrylate sheets, rods and tubes (III)
14. Methanol (II)
15. Naphthalene (III)
16. Nitric acid and nitrates, except sodium nitrates (II)
17. Nitrobenzenes (II)
18. Nitroglycerine and dynamite (II)
19. Phenoland derivatives (II)
20. Phosphorous, except red (II)
21. Phthalic anhydride and compounds (III)
22. All persulphates (II)
23. Rubber compounding agents, including accelerators, antioxidants and carbon black (I)

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24. Sodium cyanide, chemical grades (II)
25. Sodium peroxide (II)
26. Thallium bromoiodide (II)
27. Titanium tetrachloride (II)
28. Toluene (II)
29. Xylidine and xylene (II)
30. Vanadium compounds (II)
31. (a) Vinyl and vinylidene resins and molding powders (II)
(b) Vinyl and vinylidene sheets, rods and tubes (III)
32. Acetone (II)
33. Isopropyl alcohol (II)
34. Flotation reagents, synthetic organic; xanthates, amine acetates, dithiophosphates, quaternary ammonium compounds (II)
35. Phenyl beta naphthylamine (I)
36. Ethyl benzene (II)
37. Bromine and compounds (II)
38. Chromium compounds, except chrome pigments other than chrome green oxide, zinc chromates and lead chromates (III)
39. Lauryl alcohol (II)
40. Furfural (II)
41. Acrylic resins (II)
42. Picric acid (Trinitrophenol) (II)
43. Catalyst phosphoric acid (III)
44. Furfuryl alcohol (furyl carbinol) (II)
45. Chlorofluoromethanes (Freon) (II)
46. Explosives and explosive stabilizers, n.e.s. (I)
47. Ethylene glycol; glycols, n.e.s. (II)

48. Tricresyl phosphate
49. Chlorinated paraffin (including clorafin) containing 70% or more chlorine
50. Sulfuric acid: 66° Baume (93.2) and stronger, including oleum (fuming sulfuric acid)
51. Tetrahydrofurfuryl alcohol
52. Diethylhexyl sebacate
53. Calcium carbide
54. Hydroquinone
55. Phosphor tungstate; phosphor zinc silicate; phosphor zinc silicate-zinc cadmium sulfide
56. Sulfur, crude; sulfur; crushed, ground, refined, sublimed and flowers
57. Para Nitraniline
58. Aminophenol, para type only
59. Dinitrophenol
60. Para phenylenediamine

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VI. CHEMICAL EQUIPMENT

1. Multiple-effect evaporators (I)
2. Fractionating columns operating at gauge pressures of less than 50 lbs. per sq. inch or at vacuums of less than 50 mm. of mercury (I)
3. Vacuum stills (III)
4. All copper and all alloy reaction kettles; other reaction kettles of over 250 gallon capacity and with shell plates thicker than 3/8" (III)
5. DELETED 11-4-49 (Amendment 15)
6. Solvent extraction apparatus, n.e.s. (III)
7. Electric furnaces for manufacture of sodium, potassium, phosphorous and calcium carbide
8. Molding machines for plastics (injection, extrusion, transfer, etc.) (I)
9. Spinnerets for synthetic fibers (I)
10. Sulphur and pyrites burners (III)
11. Acid-resistant tanks, vats, kettles, piping and fixtures made of alloy steels (I)
12. Distillation equipment made of copper and designed for gauge pressures of less than 50 lbs. per sq. inch or for vacuums of less than 50 mm. of mercury (I)
13. Driers for chemical processes; continuous screen, cylinder, drum, rotary, spray, vacuum (III)
- 14 - 18 Incl. TRANSFERRED TO XVI. MISCELLANEOUS (Amendment 34)

VII. STEEL MILL EQUIPMENT

1. Continuous picklers (I)
2. Pressure top equipment, including elements, for blast furnaces (III)
3. TRANSFERRED TO XVI. MISCELLANEOUS (Amendment 34)

VIII. STEEL MILL PRODUCTS

1. Alloy and stainless steel in all forms, n.o.s. (III)
2. Die steel (II)
3. Railway rails, all sizes (II)
4. Steel boiler tubes, seamless or welded (II)
5. Barbed wire (III)
6. Steel wire, strand, cable and rope (III)
7. Steel castings and forgings for marine and railroad equipment (I)
8. Railway car wheels, tires and axles (II)
9. Ferro-alloys other than ferro-columbium and ferro-zirconium (II)
10. Scrap iron and steel (II)

IX. IRON AND STEEL MANUFACTURES

1. Precision micrometers and parts, all types (III)
2. Carbonyl iron powder (III)
3. (a) Drills and bits, hard surface steel (III)
(b) Drills and bits, tungsten carbide type (II)

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X. NONFERROUS METALS AND MANUFACTURES (not including integral parts of other manufactures)

1. Aluminum sheets, plates and strips (over .006 inch thickness) (II)
2. Copper: cathodes, ingots, bars, wire, sheets, cable, tubing, alloys, scrap and all other forms (II)
3. Brass and bronze: ingots, bars, rods, shafting, tubing, bearings, and all other forms (II)
4. Lead: concentrates, matte, bullion, pigs, bars, sheets, tubing, babbitt, solder, scrap and all other forms (II)
5. Zinc: pigs, slabs, granulated, die castings, and all other forms (II)
6. Magnesium: metal, powder, ribbons, sheets, scrap, and castings, including magnesium-alloy castings (III)
7. Tantalum ores, metal and compounds (I)
8. Cadmium (II)
9. Calcium metal (I)
10. Lithium (III)
11. Potassium metal (III)
12. Tungsten: metal, compounds and alloys in all forms and shapes (II)
13. Nickel: metal, compounds, alloys and manufactures, including scrap (II)
14. Tinplate (II)
15. Antimony metal, concentrates and compounds (excluding medicinals) (III)

XI. ELECTRIC POWER GENERATING AND DISTRIBUTION APPARATUS

1. Self-contained lighting outfits (I)
2. Power transformers (I)
3. Alternating current generators up to 400 cycles (I)
4. Direct current generators above 220 volts (I)
5. Rotary converters (I)
6. Steam and water turbines for industrial electric power generation (I)

XII. MANILA AND SISAL AND THEIR PRODUCTS

1. Manila (abaca): fiber, yarn, twine, cord and rope (II)
2. Sisal: fiber, yarn, twine, cord and rope (II)

XIII. RUBBER AND RUBBER PRODUCTS

1. Natural rubber including latex (III)
2. Synthetic rubbers: (a) neoprene (b) N type (nitrile) (c) butyl (III)
(d) DELETED 1-13-50 (Amendment 31)
3. DELETED 1-13-50 (Amendment 31)
4. All tire casings with 12 plies and over (II)
5. All inner tubes with 8.25 cross section and over (II)

XIV. PETROLEUM PRODUCTS

1. Petroleum products, n.o.s. (excluding medicinals, petrolatum, petroleum jelly, paraffin wax, liquefied petroleum gases, natural gas, and lubricating oils n.o.s. in containers of 4 ounces or less (III)
2. Petroleum cokes (III)
3. Petroleum crude oil (III)

XV. PETROLEUM EQUIPMENT

1. Pressure and vacuum vessels (I)

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XV (a). COAL EQUIPMENT

1. Mechanical coal cleaning devices, wet and dry; jibs, launder washers, cones, heavy media vessels and concentrating tables (I)

XVI. MISCELLANEOUS

1. DELETED 12-7-49 (Amendment 27)
2. DELETED 12-7-49 (Amendment 27)
3. Carbon hearth blocks (III)
4. Infra-red and induction annealing and heat treating furnaces (I)
5. Electrolytic tinning units (I)
6. Electrical steel (steel containing .50% to 5.0% silicon) (II)
7. Industrial water treatment equipment (I)
8. Heat exchangers for industrial purposes (I)
9. Diesel engines under 60 h.p.
10. Mechanical drive turbines 300 h.p. and over (I)
11. Asbestos: (a) chrysotile, standard commercial grades C and G-1, C and G-2 (II)
12. Catalysts for petroleum refining (III)
13. (a) Electrostatic separators having a voltage of more than 1000 volts across the air gap, and parts;
(b) Electromagnetic separators of the following types:
(1) cross belt, all types; (2) revolving disc or ring types (3) induced roll type, either induced or primary
(4) magnetic pulleys and drums 30 inches in diameter and over either induced or primary, and parts (I)
14. Dredges and dredge equipment (III)
15. Power-driven hoisting equipment for mines, including controls (III)
16. All ball and roller bearings and components (II)
17. (a) Lined steel storage tanks and drums for petroleum and chemicals (I)
(b) Unlined steel storage tanks and drums for petroleum and chemicals (III)

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18. Amorphous carbon electrodes, 4-inch diameter and over or 3 x 3 inches square (I)
19. Sintering equipment for metallurgical purposes (I)
20. Electrically-controlled welding sets (I)
21. Flotation equipment for mining operations (I)
22. Power-driven conveyors and belting for coal mining operations (III)
23. Equipment specialized for map making and map reproduction
24. Stereoscopic plotting and photo-interpretation equipment
25. Rayon manufacturing plants (I)
26. Crushers and grinders for mining and chemical industries:
(a) all crushers (b) grinders: rolls, ball cage, rod, pebble and colloid mills (III)
27. High-speed concrete blockmaking machinery (III)
28. Horizontal, rotary cylindrical kilns (III)
29. Packaged air conditioning units, excluding window-mounted types (I)
30. Steel welding rods for under-water cutting (II)
31. Natural graphite crucibles (I)
32. Graphite nozzles, stoppers, heads, sleeves and retorts (I)
33. High alumina brick and shapos (50% Al_2O_3 and over) except fused alumina (II)
34. Firebrick and shapos (except plastic) n.o.s. (II)
35. High temperature refractory cements or bonding mortars composed of "high alumina (B-536650)" or of "special refractories (B-536810)" (II)
36. Plastic refractories (including plastic firebrick and ramming mixtures) composed of "high alumina (B-536650)" or of "special refractories (B-536810)" (II)
37. Refractories, n.o.s. composed of "high alumina (B-536650)" or of "special refractories (B-536810)" (II)

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38. High tonnage oxygen plants (III)

*This list incorporates all changes to date approved by the Advisory Committee on Requirements, as recorded in ACR Program Determination No. 28 Amendments 33 through 34. Amendment 35 supersedes Amendment 32.

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LIST OF FIRMS AND INDIVIDUALS ENGAGED IN TRANSSHIPMENT
OF STRATEGIC COMMODITIES TO THE SOVIET ORBIT

The following list contains names of firms and individuals known or suspected to be engaged in the transshipment of strategic commodities into the Soviet Orbit.

No attempt has been made to indicate interlocking relationships existing between various firms and individuals.

Instances in which reports are of a questionable evaluation have been indicated by an asterisk.

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LIST OF FIRMS ENGAGED IN TRANSHIPMENT OF
STRATEGIC COMMODITIES TO THE SOVIET ORBIT

<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Austria</u>	Altmann & Co. Vienna (International Sector)	
	Arbes Textile Co.*	Bearings
	Aussenhandels A. G. * Vienna	
	Austro-Romana Warenverkehrs G.m.b.H. Tuchlaubenhof 7 Vienna I	Copper
	Avtovelo Sales and Purchasing Office	
	Dr. Alfred Back Vienna	
	Creditanstalt Bankverein Vienna	Oil equipment
	Elgro Vienna (Soviet Sector)	Electrical Equipment
	Express Vienna	
	Faulhaber & Co.* Goldeggasse 4 Vienna IV, and Seilerstaette 11 Vienna I	
	Katherine Feller Vienna	Oil equipment
	Hasselgruber Lins (Branch in Vienna)	Steel mill products
	Bogovich, Julius* Pehlgasse Vienna XII	
	Ditz, Michael* Rosasgasse 34 Vienna XII	
	Eisler, Emerich* Operngasse 4 Vienna I	
	Friedmann, Alex* Am Tabor 6 Vienna II	
	Hutschnegger* Vienna	
	Intrac G.m.b.H. Singerstrasse 27 Vienna	
	Kaeferboeck, Friedrich* Porzellangasse 2 Vienna IX	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Austria (Cont.)	Glaser* Salzburg	
	Miretsky Vienna	Copper
	Mitelman	
	Karner & Flars Vienna (Soviet Sector)	
	Kovacs, Martin* Klosterneuburgstrasse 47 Vienna XX	
	Kraft, I.* Seilerergasse 14 Vienna II	
	Kutner, Ignatz Vienna (Soviet Sector)	
	Lichtenstein & Richter Vienna	Non-ferrous metals
	Loewenthal, Karl* Margarothentpl. 5 Vienna V	
	Merk* Seitzerg. 1 Vienna I	
	Metall & Lurgi Vienna	Copper
	Northwestern Trading Co. Vienna	
	Ploess, Otto (or Ploess) Vienna	Bearings
	Pohl* Vienna	
	Polkarbon Vienna	
	Reitzes, Baron* Universitaetstrasse 5 Vienna I	
	Schmied, Frau* Vienna	Bearings
	Schneisecker* Salzburg	
	Siemens & Hlaske Vienna	
	Statnik* Grossmarkthall Vienna III	
	Szabo, Bela Vienna	
	Szandro, Istvan* Salzgrasse 7 Vienna I	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Austria (Cont.)</u>	Vienna Laenderbank* Vienna	
	von Tersch, Egon*	
	O. Tiller Vienna (Soviet Sector)	
	Traunstein-Vertrieb* Am Neumarkt 13 Vienna III	
	Warchlowski, Bruder* Vienna	
<u>Belgium</u>	Bass, Joseph 13 Avenue Marnix Brussels	Non-ferrous metals
	Belgian Bluefries Ltd.* 25 Canalvieux, Leon Antwerp	
	Central Impex 60 rue Ravenstein Brussels	Bearings
	Cobata Corp.* Brussels	
	Corneliussen & Stakgold, Inc. Antwerp (Home Office, U.S.)	Vehicles and parts
	Dennet, F.* Brussels	
	Etablissements P. Lambreau* Brussels	
	Givatowsky, Alexandre Brussels	
	Govers and Cols* 6 Rue Reynders Antwerp	
	La Continentale Menkes Brussels	
	Handelsonderneming H.I.B., N.V. Amsterdam	
	Lalemant, L. & J	
	Liebermann, S. Shell Building Brussels	Bearings
	Lippman, Andre	
	Moselman, Rene Brussels	
	Dugar & Roheim Brussels	Machine tools
	J. Nieberding & Fils	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Belgium (Cont.)</u>	Rohsels, George Brussels	Machine tools
	Socoli* Brussels	
	Anton Smits & Co.* Antwerp	
	Van Lee, Victor F. Antwerp	Scrap iron, war surplus
<u>Denmark</u>	Dansk Industry Syndicate Madsen	Military equipment
	Stayer & Co.	
<u>England</u>	Anglo-Austrian Trading Co., Ltd. London	
	S. J. Barnett Co., Ltd.* Derbyshire House, Belgrave St., London	
	Birles, Ltd. Birmingham	Electric furnaces
	Brenar* London	Electrodes
	Corregidor, Ltd. 4-5 Holborn Circle London	Abrasives
	De la Rue* Regent St. London	
	Diamond Trading Co.*	Industrial diamonds
	Diamond Distributors*	Industrial diamonds
	Early Export*	Construction equipment
	Gorell, J.H.*	
	International Marketeers London	Construction equipment
	Irvington, Ltd.* Irvington	
	Kelvina & Hughes	
	Macneal & Co. Ltd., London	Bearings
	Metal Utilisation, Ltd. London	
	Mowbray, M.J., Ltd.* London	
	Newton Ltd.*	Machine tools
	Musshaus, Arthur*	
	Plunkett, D.W.*	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>England (Cont.)</u>	A. Reval & Co., Ltd. London	
	Rotunda Ltd.* London	
	Schmid, Rudolph London	Bearings
	Suflex Ltd.* London	
	Wagner, Carl* 59 Priory Road West Bridgford, Nottingham	Machine tools
	AC Wickman Ltd.* Coventry	Machine tools
	World Traders Limited* 28 Craven St., Charing Cross London	
<u>Finland</u>	Sukapp* Helsinki	
<u>France</u>	Vidler & Cie Paris	Carbon black
<u>Germany</u>	Apel, Ing* Munich	Bearings
	Bullaty, (fnu)*	
	Ctroba* near Frankfurt	Ferro-alloying metals
	Deutsche Aussenhandels ("DAHA") Berlin	
	Drovici, Nee Frankfurt	Oil equipment
	Klein, Stefan Berlin	
	Kontrol A.G. Berlin	
	Lurgi Co.* Frankfurt	
	Nagel, Richard	
	Otrube, Egon* Near Heidleberg	
	Singer, Nathan Hotel Metropol Monopol Frankfurt	Bearings
	Voss* Berlin	
	Wirth Factory near Aachen	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Italy</u>	Aeronavali* Venice	Vehicles
	Aersilta*	Aircraft and parts
	Alseck, Pico Corso 22 Marzo 48 Milan	
	American Commercial Co.* Milan	
	Angelo, Ing*	
	Ansaldo Works Turin, Genoa	Machine Tools
	Apir* 3 Piazza Borghese Rome	
	Arar* Rome	Car Surplus
	Arisi, Edoardo*	
	Atlas & Milone Rome	
	Bandelli, Claudio* 58 Via Archimede Milan	
	Belatic & Edeli* 2 Via Locatelli Milan	
	Cavazzana, Giuseppe* 15 Via Conservatorio Milan	
	Coeba (Copangia Europea Balcanica), Milan Coeor (Compagnia Centro Orientale) Milan	
	Cohen, Isaac & Israel Rome	
	Dbrkowski, Riccardo*	
	Demarchi* Rome	
	Fukaro Via Borgonuovo 11 Milan	Bearings
	Fulop, Alexander	Bearings
	Grasiadei, Dr. Francesco Milan	
	Italgrano Milan, and Rome	
	Kalendjiev, Serghei (Kalendjieff, Sergui) 28 Corso 22 Marzo, Milan	
	Kaufmann (fmu)	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Italy (Cont.)</u>	Lassersons, Simon*	
	Legno Export	
	Mazzoleni, Emilio*	
	Rome	
	Mevorah, Elisser (Mevorak, Lazzaro)	
	Via Pacini 34	
	Milan	
	Mondial*	
	15 Via Aurelio Saffi,	
	Milan	
	O.M.A.R. (Olei Minerali Affini)	
	4 Corso Matteotti	
	Milan	
	Pfenniger, Ernst*	
	Pietrantonio*	
	Pilosov (Pelosoff), Raffaele	
	Via Pacini 34	
	Milan	
	Rohrach, Ruth*	
	Sacian	Bearings
	Sorso di Porta Nuova 20	
	Milan	
	Saima (Soc. An. Innocente Mangili Adriatica)	
	Sehndler, Koloman	
	Merano	
	Signorelli, Arturo	
	Milan	
	Silta Ltd.	
	Milan	
	Simes	
	S.I.R.E.* (Societa Importazioni Rappre-	
	Milan sentranse Esportazioni)	
	SOCI (Societa Commercio Internazionale)	
	3 Piazza Santa Maria Beltrade	
	Milan	
	T.I.C.E. (Trasporti Internazionale)	
	Milan Centro Europea)	
	UTAI*	
	Rome	
	Vanini, Inu*	
	Milan	
	Villi, Giovanni*	
	4 Piazza Erba	
	Milan	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Netherlands</u>	Bobo Internationale Handelsonderneming* Herengracht 560 Amsterdam	
	Handelsonderneming Orion* Den Haag	
	Handelsonderneming H.I.B., N.V. Amsterdam	
	Pancuram Handelscompagnie, N.V. Amsterdam	
<u>Sweden</u>	Andren, Bo Ing Rutger* Stockholm	
	Hjalmar Andren & Soner* Kaptensgatan 6 Stockholm	
	Isola Gruvindustri* Kaptensgatan 6 Stockholm	
	Leon Milcsyn* Strandvagen 13 Stockholm	
<u>Switzerland</u>	A.O.E. Leuprecht-Rapp Geneva	
	Abel, Alexander & Frederick Vaduz	Oil equipment
	Ackerman, Anton and Emil Olten	
	ACPI S.A. Lugano	Bearings
	Adam, Hans Basel	
	Alipro*	
	Ameropa A.G.* Murtengasse 9 Basle	
	APECO* Zurich (London)	
	Arma-Techne* Zellnerstrasse 14, Zurich	Copper
	Bachofen, Heinrich* Zurich	
	Baumgartner Zurich	Bearings
	Birnback, Erich	
	Boch, F.*	
	Boschardt & Imhof*	
	Brannstein, Jakob Zurich	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Bredheim-Klunak, Leopold Sternenstr 22 Zurich	
	Buchler, Stefan Kirchenfeldstrasse 42 Bern	
	CEGE-Graphitwerke A.G.* Zurich	
	Chasi, Inu*	
	Chemische Fabrik* Schweizerhalle Baselland	
	Commerz u. Finanz A.G. Alpenquai 22 Zurich	
	Contrand Freres S.A.* Geneva	Bearings
	Contrax A.G. Therwillerstr 50 Rheinach Baselland	
	Conza Zurich	Non-ferrous metals
	Csazy, Albin	
	Dacia* Proserri Petroliferi Chiasso	
	Danzas Basel	
	Dohag Co. Zurich	
	Drevici, M.N. Lausanne	Bearings
	Dymetman, Inu Zurich	
	Eckert, Inu* Zurich, Munich	
	Elmag-Schnyder Zurich	Machine tools
	EMEG Zurich	
	EXPO, Export and Import A.G. Al Talackerstrasse Zurich	
	- EXPORTAG, Zurich FALTIMEX, Zurich	
	Fieldstein, Jacob* Geneva	
	Fleischmann, Dr. Carlo Zurich	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Frugaliment Import G.m.b.H. St. Margrethen Gal, Andreas L.	Bearings
	Gambaro, Hans Kussnach	
	Gebrüder Grob Zurich	Bearings
	Gelles, Fritz	
	Globe Trade Zurich (Vaduz, Lichenstein)	
	Goldberg, Fritz, Dr.* Zurich	
	Grief, Robert	
	Hacoba A.G.* Oberwilerstr 159 Basel	
	Haegler, Dr. Harry Zurich	
	Hanno, Bruhin Zurich	
	Hegedus, Ede* Zurich	
	Hegetschweiler, Frau Hofstr 108 Zurich	
	Helvo, Heller & Voburka* Vienna	
	Hilb, Kurt Switzerland	
	Hobro A.G. 6 Gotthard Strasse Zurich	
	Inhauka Commercial & Financial Ltd. Zurich	
	INDECO* Geneva	
	Intrahandels Obstgartenstr 28 Zurich	
	Johal Metallurgische Produkte St. Gallen	Carbon Black
	Laetsch, Walther* Zurich	
	Langloh, Werner*	
	von Lichtnecker, Huber* Zurich	
	LEMAPOR A.G.* Zurich	Oil equipment

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Marky, Friedrich Zurich	
	Maschinenruul, A.G. Klausstr. 19 Zurich	Machine tools
	Mazurek, Ewald*	
	Max Meiler & Grenchen*	
	Mobiliare Verkehrs A.G. Pelikanstrasse 22 Zurich	
	Modaplast* Beutengasse 1 Zurich	
	Nisple M.H. Dufourstrasse 36 Zurich	Bearings
	Nitter* Itten, Zurich	
	Ohlath, Dr. George	
	Oceanic Trading Co. Geneva	Aircraft parts
	Ofina A.G. 22 Alpenquai Zurich	
	OMACK Saefeldstrasse 7 Zurich	
	OSBORN A.G.* Zurich	
	PANGOSMA Ltd.*	
	Qualytechna, A.G. Zurich	
	J. Rahower-Schmid Casasol Sole* Lugano-Viganello	
	Heinrich Reimann & Co. Beckenhofstrasse 70 Zurich	
	Remenyik, Tibor Bederstrasse 123 Zurich	
	RIVI A.G.*	
	Peter Roth G. Leibowitz & Sohneplant Bertastrasse 1 Zurich	
	Rusle (fne) Zurich	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Salmanowitz	
	SANMATT Ebikon Luserne	Bearings
	SATEX* Zurich	
	SATURN* Zurich	
	Scharrenbreuch, Carl Zurich	
	Scheller, Heinrich* Zurich	
	Scherrer, Louise*	
	Scuss* ((n))	
	Sewachstron-Technik A.G.* Zurich	
	Societe pour le Commerce Extérieur* Zurich	
	Societe Generale de Surveillance Geneva	
	SONDYNA* Hedwigstrasse Zurich	
	Standard-Handels A.G.* Zurich	
	Staubli, R Zurich	
	Steiner* ((n)) Zurich	
	Seale, Dr. William 16 Rue de Contance Geneva	Non-ferrous metals
	Thiel, Reinhold* 15 Rue de la Cite Geneva	
	Tolnay, Richard	
	Textil A.G. St. Peterstr. 1 Zurich	
	Transarta Trading Co. Geneva & London	
	Transatlans A.G.* Markustr 20 Zurich	
	Traxfer* Lugano	Copper
	Tuescher, Oskar*	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Switzerland (Cont.)</u>	Ulrich, A.G.* Zurich	
	Utila A.G.* Zurich	
	VIZ ALLIANCE* Zurich	
	Villalaz, Francois* Zurich	
	VITALIPON A.G.* Stampfenbachstr 135 Zurich	
	Vonrufs, Ernst*	
	Walder, Ernst*	
	Waelchli, Adolph* Stampfenbachstr 135 Zurich	
	Walshli, Johann F. Zurich	Bearings
	Urban Warner* Lugano	
	Winter, Alexander	
	Wertli, Alfred Baden	Bearings
	Wiala A.G. 8 Genferstrasse Zurich	
	Wog, Edgar, and Lydia	
	World-Handels A.G.* Zurich	
Paul Wormser & Co. Zurich		
<u>Trieste</u>	ADVIAIMPEX Strakakis (alias Trakakis)	Carbon black
<u>LATIN AMERICA</u>		
<u>Argentina</u>	FAMA Buenos Aires Bronsky, Zdzislaw* Sec. Ind Electro-Mechanica S.R.L. Buenos Aires	
<u>Brazil</u>	Velasco, Guillermo Arinez*	Industrial diamonds
<u>Chile</u>	Luft, David*	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
LATIN AMERICA (Cont.)		
<u>Mexico</u>	Compania de Snaan S.A. Gebels, Sergio CONTINEX Montevideo	Graphite electrodes
NEAR EAST		
<u>Egypt</u>	Amatis Brothers Ltd. Cairo Compagnie Commercial Cotoniere* Mamatis, Dimitri Cairo Shelton, Rachid* Cairo Ste de Commerce et de Compensation* pour le Moyen Orient Cairo	
<u>Israel</u>	Alkalay, Perez* Tel Aviv Oriental Trading Co. Ltd. Tel Aviv	
<u>Lebanon</u>	Nasim & Fadal Gadour* Beirut (Istanbul)	
<u>Turkey</u>	Birtas Birlesik Endustrie* va Ticaret Kute-Han Galata, Istanbul Merikli, Ibrahim Istanbul Tjavouris Bros Istanbul (and Beirut)	Copper Vehicles

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(4) Critical shortages in:

(a) The USSR, ^{a/}

Metalworking Machinery and Components

Machine tools:

Single-purpose high production tools.
Special tool-room precision machines

Abrasives:

Precision type grinding wheels, particularly rubber-bonded ball bearing raceway grinding wheels.
Diamond wheels.

Anti-Friction Bearings

Instrument bearings
Large diameter ball and roller bearings.

Precision Instruments

Scientific laboratory apparatus.
Electronic testing and control equipment.
Various complex mechanical and electrical measuring, testing and control equipment, such as sand testing instruments, spectrographic equipment.
Technical glass.

Petroleum Products and Equipment

Combat aviation gasoline.
Catalytic cracking, alkylation and polymerization units.

Non-Ferrous Metals and Minerals ^{b/}

Bismuth
Cadmium
Cobalt
Coke (metallurgical grade)
Columbium
Copper
Diamonds - Industrial
Drills - Core
Drills - Diamond
Electrodes - Carbon and Graphite
Gallium
Hafnium
Lead
Lithium
Molybdenum
Polonium
Radium
Tantalum
Tin
Tungsten
Vanadium
Zinc
Zirconium

^{a/} For a more complete treatment, see IM - 245 of 1 November 1949.

^{b/} All of these are in short supply. However, it is not known which are "critically" short.

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SECRETElectric Power Generating and Distribution Apparatus^{c/}

Steam turbines (large sizes).
 Water turbines and water wheels (large sizes).
 Generators (large sizes).
 Power transformers.
 Boiler tubes, seamless steel.
 Switchboard instruments.

Transportation Equipment^{d/}

Railroad. Tank cars, steel rail, well and other heavy-burden freight cars and block signal equipment. There is a general tight supply of component parts and subsidiary equipment.

Motor Vehicles. Spare parts, tires, and batteries are in tight supply.

Maritime Transport. Under certain circumstances, a serious strategic deficiency may be the lack of an adequate oceangoing tanker fleet. Additional dry cargo vessels are not overly needed for current economic requirements.

Inland Water Transport. No real shortages have been noted. However, if the Soviet Union continues to emphasize the production of small naval craft, a deficiency in inland water craft for river traffic may develop.

Civil Air Transport. The USSR needs spare parts and especially electronic navigation equipment for civil air traffic.

Pipeline. The considerable needs of the USSR for steel pipe and for pumps are only partially being met by domestic production. Numerous planned pipeline projects are far from completion.

Chemicals and Chemical EquipmentRubber Chemicals:

Accelerators (ethyl and methyl thiuram disulfides).
 Carbon blacks.

Plastic Materials:

Silicones
 Polyethylene

Plasticizers:

Phthalates.
 Coumarone resins

Heavy Chemicals:

Calcium carbide

Coke Chemicals:

Phthalic anhydride

^{c/} These items are critical only in the sense that the lack will prevent fulfillment of the Plan goal for electric plant capacity.

^{d/} There are no equipment or material shortages in the USSR sufficient to prevent the realization of minimum Soviet traffic expansion plans. Nevertheless, certain items are in short supply and thus prevent the completion of more ambitious specific plans and limit the overall economic potential of the USSR for war. [REDACTED]

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SECRET**Pharmaceuticals:**

Many pharmaceuticals are critically short, some of which are:

Penicillin
Streptomycin
Insulin
Sulfa drugs
Quinine

Miscellaneous Chemicals:

Tetraethyl lead
Aluminum chloride
Lube oil additives

Chemical Equipment:

Super centrifuges.
Glass-lined storage and processing equipment for chemicals.
High-pressure pumps, valves, and compressors.
Vacuum pumps.
Corrosion-resistant pumps, valves, and other equipment.
Molding machines for plastics.
High-pressure containers for storing or transporting chemicals.

(b) The Satellites: 2/**Metalworking Machinery and Components****Machine Tools:**

Shortages of specialized machine tools have plagued Satellite industries. Specific examples:

Grinding machines for ball bearing industry - Czechoslovakia and Rumania
Gear cutting machines - Czechoslovakia
Auto body presses - Czechoslovakia
Welding machines - Czechoslovakia and Rumania

Abrasives:

Silicon carbide and fused aluminum oxide are both in short supply, but only the former and the higher grades of the latter constitute critical shortages.

Silicon Carbide

A serious shortage of this material has made it impossible for the Czech abrasive industry to manufacture any significant quantity of silicon carbide grinding wheels. Czechoslovakia has succeeded in importing silicon carbide from Norway, but total imports have still fallen far short of requirements. The Polish Government has allotted large sums for the 1950 construction of domestic facilities for the production of silicon carbide and aluminum oxide in order to overcome the shortage of these materials.

White aluminum oxide

Inadequate production of this abrasive material has prevented the Czech abrasive industry from manufacturing necessary quantities of fine grit grinding wheels used for precision finishing of high alloy steels.

Precision Grinding Wheels

The Czechoslovak bearing industry has been hampered by a lack of ball grinding and bearing raceway grinding wheels. These types are not manufactured in Czechoslovakia, and the Czechs were rebuffed in their efforts to procure these from the US and the UK. In Rumania at the 23rd of August Factory, a

2/ The Satellites include Albania, Bulgaria, Czechoslovakia, Hungary, Poland and Rumania.

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severe shortage of grinding wheels threatened to stop the whole program of motor construction. Similar shortages of grinding wheels exist in Poland and Hungary.

Anti-Friction Bearings

Owing to Satellite successes in procuring bearings from Sweden, Switzerland, Italy and other Western countries, the overall bearing shortage is not so critical as it was a year ago. Critical shortages still exist, however, for certain types of bearings which are not manufactured within the Soviet orbit and which Satellite countries have had considerable difficulty in procuring from the West. Tractor production in Rumania and Poland was retarded at different times for lack of bearings, as was tank production in Czechoslovakia. Czechoslovakian production of various other items of heavy industrial equipment has been hampered by lack of bearings.

Precision Instruments

A widespread shortage of complex measuring, testing, and control instruments exists throughout the Satellite countries. Example:

Electronic measuring equipment - Czechoslovakia
Optical pyrometers - Czechoslovakia
Spectrometers and spectrographic equipment - all Satellites
Sand testing equipment for foundries - Czechoslovakia
Electric meters - Hungary
High quality mechanical gaging devices (micrometers, plug gages, gage blocks) - all Satellites

Petroleum Products, Coal and Equipment

ALBANIA

The only shortage that exists in Albania is sufficient refinery equipment to process indigenous crude petroleum to meet domestic needs. Unless refineries are equipped, the Albanians will have to continue to export crude petroleum and import petroleum products.

BULGARIA

Coal has been in short supply since the war. This shortage has been caused chiefly by the drop in production at the Pernik Mines. Inability to obtain coal mining equipment is one of the main causes. The equipment in the mines is wearing out. Unless good coal mining machinery can be obtained, the Bulgarians cannot hope to attain the 6,550,000 ton goal set for 1953.

CZECHOSLOVAKIA

Lack of such oil field equipment as drills, pipes and tubes has prevented, and will continue to prevent, the Czechs from meeting the crude oil production goals and from exploiting new oil deposits. Critical crude oil shortages prevent the refineries from operating at full capacity. Shortages of aviation and motor gasoline have contributed to the curtailment of the Czech airlines and motor transport. Inability to import mining machinery has caused great harm to production in Czechoslovak coal and uranium mines, and has made it impossible to fulfill the program for mechanization. Most important shortages:

Coal cutters
Coal and rock loaders

HUNGARY

There are no critical shortages in Hungary in the coal and petroleum industries.

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~~SECRET~~POLAND

The Polish petroleum industry is handicapped by the lack of geophysical equipment for exploration and exploitation equipment. In order that the loss to the USSR of three fourths of its known oil deposits be overcome, Poland must discover new fields. This cannot be done without the above equipment.

RUMANIA

The rehabilitation of the petroleum industry is vital to the Rumanian economy. This has not been possible because of Rumania's inability to obtain oil field and refinery equipment. Rumania is not able to produce petroleum machinery and what little has been received from the USSR is inferior. The shortage is critical also because crude oil goals have not and will not be met under these circumstances.

Most critical items:

Oil well drilling pipe and casing
Sucker rods
Drilling rigs and components
Oil well recording instruments
Geophysical exploration instruments

Non-Ferrous Metals and Minerals

ALBANIA - Mostly equipment for mines and plants.

BULGARIA - Smelting and refining facilities; mining machinery.

CZECHOSLOVAKIA - Critical shortage of industrial diamonds, electrolytic copper, tin and zinc. Czechoslovakia is also short of lead, aluminum and pyrites.

HUNGARY - Critically short of industrial diamonds. Other shortages include lead, tin, copper and zinc.

POLAND - Critical shortage of industrial diamonds. Short of tin, aluminum, copper and pyrites.

RUMANIA - Serious shortages in copper, aluminum and tin.

Electric Power Generating and Distribution Apparatus

Shortages exist in practically all major items of electric power plant equipment, such as:

Steam boilers and boiler tubes,
Steam condensers and condenser tubes,
Steam and water turbines, all sizes,
Generators, all sizes,
Switchboard panels, instruments, and circuit breakers,
Heavy construction machinery for dam building,
Electric motors,
Diesel-electric generators (Albania)
Electric cables

None of these shortages can be considered as critical in Albania or Rumania. In Bulgaria they are only critical to the degree that they will prevent fulfillment of the Plan for electrification, and will impede the change from an agricultural to an industrial economy.

CZECHOSLOVAKIA - No evidence of critical shortages in electrical equipment

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HUNGARY and POLAND - There are shortages of the following items:
 Steam turbines, large
 Generators, large
 High tension switchgear

These shortages are not critical except as they will delay completion of proposed plants and transmission networks.

Transportation Equipment

Shortages exist in every Satellite country in every item of transportation equipment. These shortages cannot be called critical in any country in that equipment inventories are, with some exceptions, equal to or superior to prewar levels. The level of traffic is very much higher than prewar, and this elevated traffic level can be supported by existing equipment inventories. Total Satellite production has the capacity to replace exhausted equipment and to make small increases in inventories. Some countries have surplus productive capacity and are able to contribute to the inventories of countries with deficit or no productive capacity.

ALBANIA

Albania can produce no transportation equipment but is procuring (as required) motor vehicles and spare parts, railway rails, cars and locomotives from Rumania, the USSR, Poland and Czechoslovakia (by Sea).

BULGARIA

Bulgaria's railways are in a badly "balkanized" condition, but there is more equipment than before the war. As this equipment is exhausted, it can be replaced from Rumania, Hungary, and the USSR. The USSR is providing trucks which are now at least 20 percent more numerous than before the war.

CZECHOSLOVAKIA

Any strictures in equipment inventories can be relieved from domestic production, which provides an exportable surplus of locomotives, freight and passenger cars, rails, automobiles, motor trucks, and river vessels.

POLAND

Exportable surpluses of locomotives and freight cars, exist. Motor trucks will be in production in 1955 at the rate of about 5,000 per year.

HUNGARY

Some exportable surpluses of locomotives and freight cars are produced. Motor vehicles are not produced sufficiently to satisfy domestic requirements.

RUMANIA

Tank cars, freight cars, locomotives and rails are produced in quantities sufficient to satisfy minimum domestic requirements and to permit about 60 percent or more of total production to be exported to the USSR or to USSR-dictated consignees.

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~~SECRET~~Aircraft and Merchant Vessels

Transport aircraft, components, and spare parts are critically short in each of these Satellite states. However, with the possible exception of Czechoslovakia and Poland, both of which have airlines operating to Western Europe, this shortage has little effect on either the transportation system or the national economy of any of them; civil air transport is insignificant as a transportation media in all of them. Strenuous efforts, reflected in clandestine trade, have been made by Czechoslovakia and Poland, and to a lesser degree by Hungary, to secure aircraft and parts from the West. As a result of the increasing success of western export controls, these efforts are being in large measure frustrated, and the Satellites are being forced to rely almost exclusively and with little success on the Soviet Union for aircraft and parts.

Merchant shipping does not constitute a critical shortage in any of the Satellites except Albania. The others are linked by rail and inland waterway communications with each other and with the Soviet Union, and their foreign trade has become increasingly concentrated along intraorbit, overland routes. Albania, cut off by Yugoslavia from the rest of the orbit, is almost completely dependent on shipping for communications and commerce with Eastern Europe and the USSR. Currently the Soviet and Polish merchant fleets are satisfying the major part of that demand. There is a sufficient number of orbit ships to handle any Satellite maritime commerce not carried in non-orbit vessels. Tankers are short, but not critically so. Despite the fact that merchant vessels do not represent a critical shortage in the Satellites, all these countries are endeavoring to augment their merchant fleets by domestic construction and purchase or construction abroad. Domestic shipbuilding is generally handicapped by shortages of ship plate, marine engines, and skilled personnel.

Iron and Steel IndustryALBANIA

Albania has no iron and steel industry, and none is contemplated under the Two Year Economic Plan. Mining equipment for the expanding chromite industry is needed but is being supplied by the USSR.

BULGARIA

At present Bulgaria has no ferrous metallurgy industry and is dependent upon imports from the USSR, Austria, Hungary, Czechoslovakia and Poland for semi-finished iron and steel products for processing in the small fabricating plants existing in the country. By the termination of the Five Year Plan in 1953, a small industry is to be in operation with a production of 20,000 tons of pig iron and 10,000 tons of raw steel. Success of the plan is dependent upon the procurement of a coke plant, two blast furnaces and a small steel mill. Equipment to expand the mining industry is needed, which will probably be procured from the USSR.

CZECHOSLOVAKIA

The Czech iron and steel industry is suffering from shortages of raw materials; high grade iron ore from Sweden; iron and steel scrap; and all ferro-alloying metals except manganese and chrome, which are available within the Eastern European Bloc. There is a critical need for replacement and maintenance machinery and parts from the West, particularly foundry equipment, casting machines and rolling mills. To attain production goals setup by the Five Year Plan, new installations and equipment are needed which Czechoslovakia will be unable to procure from the Soviet Orbit.

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HUNGARY

Hungary lacks coal suitable for making metallurgical coke, and the supply of low-grade domestic iron ore must be supplemented by imports. Iron and steel scrap is short supply. Except for manganese, Hungary is dependent upon imports for ferro-alloying metals. To date, these deficiencies have been supplied by other Eastern Bloc countries. Plans to expand iron and steel production by the construction of a large integrated steel mill at Mchacs do not include the procurement of installations and equipment from the West.

POLAND

Polish reserves of low grade iron ore are supplemented by imports principally from the USSR and Sweden. Insignificant amounts of chromite and manganese are mined, and the needs of the industry are supplied by the USSR and the other satellites. At present there are no critical shortages of raw materials. Denial of a license by the US for a blooming and slabbing mill has retarded Polish plans for integrating and expanding the ferrous metallurgy industry. Machinery and equipment for maintenance, modernization and expansion from the West are critically short.

RUMANIA

Production of the Rumanian iron and steel industry is adequate for the needs of the country, but production is dependent upon imports for a large percentage of metallurgical coke, iron ore, scrap and all ferro-alloying metals except chromium and manganese. These deficiencies are being supplied by Soviet Orbit countries.

Chemicals and Chemical EquipmentSOVZONE GERMANY^{2/}

In addition to the general shortages, such as spare parts of all kinds, sheet metal, boiler tubes, cement, roofing paper, glass, wood, packing materials, light bulbs, etc., the following specific items have been reported in short supply:

1. Tips for drill bits used in mining pyrites in the Elbingrode district.
2. Stirring arms for the pyrite roasting furnaces in the sulfuric acid industry.
3. Vanadium catalysts for the sulfuric acid industry.
4. Boiler tubes of chrome-molybdenum steel at the Louna Works at Merseburg.
5. Tank cars for the transportation of hydrochloric acid.
6. Electrodes for caustic soda manufacture.
7. Plasticizers such as phthalic anhydride and Tributyl phosphate for the plastics industry.
8. Mercury for use in electrolysis.
9. Phenyl-beta-naphthalamine and other rubber vulcanization accelerators and anti-oxidants at the Buna Works of Schkopau.
10. Carbon black for use in rubber processing.

All of the above shortages were noted during 1949 as well as a general shortage of many chemicals throughout the industry, in particular sulfuric acid, soda ash, caustic soda, and carbon disulfide. It cannot be said, however, that any of these shortages had a crippling effect on any phase of the chemical industry. Towards the latter part of 1949 the situation appeared to be less critical in most respects.

^{2/} The Sovzone of Germany is included here because of its importance to the USSR and Satellites.

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SECRET**Miscellaneous****Diesel Injection Pumps**

Production of diesel engines in the Satellite countries has been hampered by difficulties in the manufacture of injection pumps which requires the use of high grade materials, and also precision machining. Many complaints have been received by Czech manufacturers of diesel engines due to the defective nature of the injection pumps, a difficulty which these manufacturers have been unable to remedy. In the Soviets of Germany, lack of injection pumps has retarded the dieselization of the Soviets which was being spurred by an abundant supply of diesel oil. Attempts to copy an American injection pump met with no success and had to be abandoned.

Construction Equipment

At the beginning of 1949 there was a serious shortage of this type of equipment in Czechoslovakia. Extension of airports and canal building were held up because of this shortage. The Czech Ministry of Foreign Trade was ordered to give top priority to the purchase of construction equipment and was to make dollars available for the purpose. During 1949 road rollers were imported from Denmark, bulldozers from Belgium. These imports helped to alleviate, but were not sufficient to eliminate, the shortages. Hungary and Rumania are likewise very much in need of earthmoving equipment.

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MEANS OF PAYMENT AND TREND OF IMPORTS OF STRATEGIC MATERIALS INTO THE SOVIET ORBIT

Rubber and Rubber Products

Since 1947, the Soviet Union has stepped up natural rubber purchases, amounting to over 300% of its average pre-war annual imports. Payments are made primarily in free sterling, earned through Soviet exports to England and other sterling area countries. The USSR is also using some of its dollar balances for purchases of pounds sterling at black market rates, and utilizing the proceeds for rubber imports. Manufactured rubber goods purchased in Western Europe are paid for mostly in local currencies.

Industrial Diamonds

The Soviets are exhibiting strong efforts to obtain industrial diamonds in volumes believed to exceed their normal requirements. Although the Western European countries have limited the volumes of industrial diamonds in their 1948 and 1949 trade agreements, it appears that the USSR has been successful in making purchases through clandestine methods. Payments are made in dollars and in various local currencies.

Satellite imports have been largely restricted to receipts under trade agreements with The Netherlands and Belgium. The effectiveness of controls is indicated by Czechoslovakia's industrial diamond quota with Belgium, which dropped from 14 million francs for 1949 to 1 million francs under the present pact.

Antifriction Bearings

Sweden is the largest supplier of antifriction bearings to the Soviet Union under trade and credit agreements, followed by Italy. Outside of trade agreements, the Soviet satellites are engaged in clandestine operations for procurement of antifriction bearings for Soviet account. Payments for antifriction bearings under trade agreements are made in local currencies, while payments for clandestine operations are made in dollars, pounds, and Swiss francs.

In addition, the satellites are receiving generally under trade agreements a considerable volume of bearings from Austria and minor quantities from France and the U.K.

Machinery and Machine Parts

Soviet payments for machinery and machine parts are made in local currencies of the countries of export for that portion of imports which are made under trade

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SECRETMachinery and Machine Parts (Cont.)

treaties or by direct spot purchases. For machinery and machine parts obtained through clandestine operations, payments are made mostly in dollars and in other "hard" currencies.

Since March, 1948, the volume and composition of Soviet imports have changed drastically from heavy-type industrial equipment obtainable in the United States to the lighter type of specialty machines obtainable in Western Europe. It seems that Soviet imports of machinery and machine parts have remained below the 1947 level, due to the US export controls and the parallel action of OEEC countries.

Scheduled satellite imports of all types of machinery are substantial under both annual trade pacts and long-term agreements with such countries as Switzerland, Sweden, and the U.K. Present receipts are restricted due to satellite intransigence over compensation for nationalized properties and mistreatment of Western nationals. In 1946 and 1947 large quantities of machine tools, construction, mining, and other industrial equipment were furnished Czechoslovakia, Poland and Albania by UNRRA.

Chemical Equipment and Chemicals

Payment is made in local currencies and in dollars. Export restrictions have reduced Soviet imports of this category substantially below the 1946-47 level, although purchases from Western Europe have increased.

The satellites import substantial quantities of chemicals under trade agreements with practically all the Western European countries.

Iron and Steel Products

Purchases of specialty steels from Sweden and Western Europe are paid for in local currencies. Deliveries from Western Germany are on the increase, especially to Eastern Germany.

Nonferrous Metals

Soviet payments for non-ferrous metals are made mostly in local Western European currencies. Purchases from Asia and the Western Hemisphere are made in pound sterling and dollars.

Dollar purchases from Latin American sources, partially to replace Yugoslav shipments and supplies furnished by trade agreements accounted for the bulk of satellite non-ferrous metal imports in 1949.

Petroleum Production and Refining Equipment

Payments are made in various Western European currencies, and in dollars for purchases in the U.S. and for clandestine operations in Western Europe. Heavy Soviet

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SECRETPetroleum Production and Refining Equipment (Cont.)

requirements for this group of materials continues, but there is a definite decline in availability since 1947, due to U.S. export controls and the parallel action of OEEC countries.

Electric Power and Electrical Equipment

Payments are made in various Western European currencies, and in dollars for equipment purchased through clandestine operations.

Imports of heavy electric power equipment have been reduced drastically since 1947, due to U.S. export controls, while imports of the lighter variety have increased from Western European countries.

The satellites are receiving a fair volume of equipment from Western Europe in accordance with trade pact schedules. UNRRA shipments were substantial to Poland and Czechoslovakia.

Transportation Equipment

Payments for transportation equipment imports are made in various Western European currencies. Shipments of railroad transportation equipment appears to be on the decline, however. Recent shipbuilding contracts, added to those made shortly after the war, will increase deliveries for 1950-52.

Substantial shipments of all types of transport equipment, except air material, are supplied the satellites under long-term as well as annual agreements. Poland has received considerable numbers of motor vehicles, tractors and is scheduled to obtain several vessels, from France, Italy, Denmark, and the Netherlands in return for coal already shipped. A large part of the motor vehicles, tractors and rolling stock furnished by UNRRA have become unusable due to lack of spares.

Wool, Cotton, Henequen

The Soviets are paying for Australian, Pakistan and New Zealand wool in pounds sterling, earned by Soviet exports to the U.K. American cotton is paid for in dollars. Egyptian cotton was bartered for Soviet wheat. Henequen imports from Mexico are paid for in U.S. dollars. In 1948 and 1949, the Soviets were almost the exclusive buyers of Mexican henequen and sisal.

The major satellites have received the bulk of their cotton requirements from Western countries, particularly the U.S., Egypt, Pakistan, and India. Shipments from the U.S. have in good part been paid for by the USSR. Sterling sources have supplied wool. In the period 1946-47, UNRRA contributed substantial quantities of both cotton and wool to Czechoslovakia and Poland.

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LISTS OF REPORTS OF STRATEGIC COMMODITIES
TO THE SOVIET ORBIT

In the selection of commodities for the purpose of this study, the major groupings of the I-A and I-B export control lists were used. In addition, categories of commodities, such as cotton and wool, are included since they are believed to be essential to the Soviet war-time economy, the supply of which must be obtained in large part outside the limits of the Soviet sphere.

Figures presented in these tables represent known shipments and/or commitments under trade agreements. Although this information contains shipments of items within the general I-A and I-B groups, some of the individual items included in these totals are not on the prohibited list. This limitation is prompted by the lack of detailed breakdowns on shipments and by the desire to report in a convenient summary form.

The value data is expressed in dollars based on conversion at the official rate at the time of shipment or agreement.

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PRELIMINARY STATEMENT OF EASTERN EXPORTS OF STRATEGIC COMMODITIES TO USSR
(Actual deliveries and/or commitments under trade agreements)

COMMODITY	AUSTRIA	BELGIUM (e)	DENMARK	FINLAND	FRANCE	GERMANY 1945(e)	ITALY 1949-51(g)	NETHERLANDS	NORWAY	POLAND (e)	RUSSIA (e)	SWITZERLAND (e)	UK (e)	US (e)	MEXICO (e)	AFGHANISTAN (1948-9)	EGYPT (e)	INDIA	PAKISTAN	AUSTRALIA	NEW ZEALAND	MALAYA
Natural Rubber & Products		\$779,985(h)				\$2,087,000		21,570 T. (a) \$13,920(b) (1)		\$1,666,666(h)			605 T.	\$312								65,414 T. (a)
Industrial Machinery						\$3,791,304				\$847,444		\$81,344(g)	858 T.	\$201,633								
Machinery & Parts						\$8,695,652		\$9,565,217	1 T. (1)			\$901,043(f)	511 T.	\$592,999(b)								
Transportation Equipment								541 units														
Machine Tools								2,400 units														
Precision Instruments		\$845,994																				
Generators, Cranes																						
Diamonds																						
Chemicals & Chemical Equip.																						
Compass		\$395,352						1,200 T.				\$579,374		\$30,696								
Chemical Pulp				20,000 T. (a)					25,000 T. (a)													
Pyrites																						
Iron, Steel & Products		\$3,497,214								6,375 T.			9,154 T.									
Nonferrous Metals & Prod.												\$231,750										
Copper & Products		\$5,149,372		2,000 T. (f)																		
Tin & Alloys		\$452,608																				
Molybdenum				20 T. (f)																		
Mercury							10,000 T.															
Lead		\$364,070																				
Plutonium, Oil, Salt & Refining Equipment									20 (h)													
Deep Drilling Plants																						
Electrical Power & Equip.				2,000 T. (f)				\$2,260,870(h)														
Electrolytic Copper								1,500(1)														
Electric Cable		\$2,362,878						\$1,565,217(1)	2 T. (1)				\$1,274,623(1)									
Transportation Equipment																						
Railroad Rails	5,000 T.						\$434,783	23,000 MT														
Steam Engines		\$54,678(c)																				
Road Rollers		\$231,800(e)																				
Jeeps		25,000 T. (d)		(a)		567 T.		3 freighters 25 tug 1 dry dock 2 - 4 dredges				60,500 T. (a) 6 tankers 3 cargo vessels 5 refrigeration ships 1 whaling factory										
Coal & Products										\$555,555(g)			131 T.	\$124,520		6,600 T.	50,000 tonnes			\$1,970,000(shipment) 200,000 tonnes (shipment) later 50,000 tonnes sought	\$2,420,000(e)	\$11,900,000 T. (g)
Cotton & Products														\$4,345,904	\$1,085,589							
Resins & Products																						

* Amounts unknown
 a Imports, Jan - June 1949
 b Precisions & semi-precious stones
 c Imports, July 1948 - June 1949
 d 3 tankers, to be delivered by 1953-4
 e Under 1949 trade agreement with USSR
 f Under inter-lateral agreement with USSR
 g Poland, June 1949 - June 1950
 h Three-year agreement
 i High power transformers & equipment
 j Electric motors
 k Trade agreement July 1948 - Jan 49
 l Deliveries of ships in from 2 to 3 yrs.
 m Imports, Jan - Sept 1949
 n 100 T. from previous agreement; 40 T. delivered early 1949. Additional commitment - 50 T.

n Also 1,000 T. ball-bearing tubing, deliveries of ball bearings to all S.S. estimated at \$5,555,555
 o Tungsten and molybdenum wire
 p Russian pipe
 q Steel ball bearings. Orders for delivery by '51 = \$2.3 million
 r Orders for delivery in 1949 totaled \$3,476,246
 s Orders for 1949 - 50 total \$1,155,747
 t Orders for 1949
 u Imports 1949
 v Imports, January - November 1949
 w Official Malayan figure of 1949 direct shipments to USSR. "Summer distribution collection" Jan '50, gives total Soviet imports Jan - Nov 1949 of 101,500 T.
 x Imports January-September 1949. Trade agreement called for 15,000 T.

y Reported shipments, February - May 1949. Shipment of 25,000 tonnes had been reported in January. In 1948 Soviet purchases were slightly over \$8 million during the first six months.
 z (1) 3,200 T. steamship
 12 fishing trawlers
 1 lake barge
 10 trawlers
 5 barges
 3 tug boats
 1 sea barge (f)
 10 trawlers
 1949
 1950
 1949-50

TABLE 1. SUMMARY OF EXPORTS OF SELECTED COMMODITIES TO THE SOVIET UNION, 1978
(Values in millions of U.S. dollars; unless otherwise indicated, values are for 1978)

COMMODITY	EXPORTS (A)	IMPORTS (B)	NET EXPORTS (C)	NET IMPORTS (D)	NET BALANCE (E)	EXPORTS (F)	IMPORTS (G)	NET EXPORTS (H)	NET IMPORTS (I)	NET BALANCE (J)
I. First Priority										
A. Rubber & Rubber Goods	\$14,700	1,013 MT				\$13,687				\$13,687
B. Industrial Diamonds										
C. Pearls	\$1,360,000		\$1,360,000			\$1,360,000				\$1,360,000
II. Secondary & Tertiary										
A. Miscellaneous	\$1,300,000		\$1,300,000			\$1,300,000				\$1,300,000
B. Petroleum & Petroleum Products	\$1,175,000		\$1,175,000			\$1,175,000				\$1,175,000
C. Miscellaneous										
III. Chemical Products										
A. Chemicals										
B. Chemical Products										
IV. Miscellaneous										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										
V. Special Uses										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										
VI. Miscellaneous										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										
VII. Miscellaneous										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										
VIII. Miscellaneous										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										
IX. Miscellaneous										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										
X. Miscellaneous										
A. Miscellaneous										
B. Miscellaneous										
C. Miscellaneous										

* Indicates either known trade or identifiable value or trade.
 a Values are for 1978.
 b Values are for 1979.
 c Values are for 1980.
 d Values are for 1981.
 e Values are for 1982.
 f Values are for 1983.
 g Values are for 1984.
 h Values are for 1985.
 i Values are for 1986.
 j Values are for 1987.
 k Values are for 1988.
 l Values are for 1989.
 m Values are for 1990.
 n Values are for 1991.
 o Values are for 1992.
 p Values are for 1993.
 q Values are for 1994.
 r Values are for 1995.
 s Values are for 1996.
 t Values are for 1997.
 u Values are for 1998.
 v Values are for 1999.
 w Values are for 2000.
 x Values are for 2001.
 y Values are for 2002.
 z Values are for 2003.

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PRELIMINARY STATEMENT OF WESTERN REPORTS OF STRATEGIC COMMODITIES TO EAST GERMANY
(Actual Deliveries and/or Commitments Under Trade Agreements)

COMMODITY	G.F.R. (1)	FINLAND (2)	ITALY (3)	NETHERLANDS (5)	NORWAY (4)	SWEDEN (4)	SWITZERLAND (3)
<u>Natural Rubber & Products</u>	\$360,058			*			
<u>Industrial Diamonds</u>				*			*
<u>Ball & Roller Bearings</u>	"		\$70,000			(6)	*
<u>Machinery & Parts</u>	\$5,520,883	\$100,000					*
<u>Machine Tools</u>							*
<u>Precision Instruments</u>	\$1,080,173						*
<u>Chemical & Chemical Equip.</u>	\$5,040,807	300 T.	\$40,000			(6)	*
<u>Pyrites</u>	250 T.	20,000 T.	\$100,000		97,000 T.	3,500 T.	
<u>Iron, Steel & Products</u>		3,000 T.	3,000 T.			600 T.	
<u>Refractory Metals & Prod.</u>						(6)	\$72,625(wire)
<u>Tin & Alloys</u>						\$83,333(6)(7)	
<u>Molybdenum</u>							
<u>Mercury</u>			\$100,000				
<u>Electrical Power Equip.</u>	\$1,200,192					\$347,222	*
<u>Transportation Equipment</u>						(6)	

* amounts unknown

1 Trade Agreement of October 49- June 50

2 Trade Agreement of October 49- September 50

3 1949 agreement

4 Agreement July 1948-June 49

5 Agreement 1 July 49-30 June 50

6 Agreement 1 July 49-30 June 50, amount not known

7 Tungsten and molybdenum wire

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LIST OF FIRMS AND INDIVIDUALS ENGAGED IN TRANSSHIPMENT
OF STRATEGIC COMMODITIES TO THE SOVIET ORBIT

The following list contains names of firms and individuals known or suspected to be engaged in the transshipment of strategic commodities into the Soviet Orbit.

No attempt has been made to indicate interlocking relationships existing between various firms and individuals.

Instances in which reports are of a questionable evaluation have been indicated by an asterisk.

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LIST OF FIRMS ENGAGED IN TRANSHIPMENT OF
STRATEGIC COMMODITIES TO THE SOVIET ORBIT

<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Austria</u>	Altmann & Co. Vienna (International Sector)	
	Arbes Textile Co.*	Bearings
	Aussenhandels A. G. * Vienna	
	Austro-Romana Warenverkehrs G.m.b.H. Tuchlaubenhof 7 Vienna I	Copper
	Avtovelo Sales and Purchasing Office	
	Dr. Alfred Back Vienna	
	Creditanstalt Bankverein Vienna	Oil equipment
	Algro Vienna (Soviet Sector)	Electrical Equipment
	Express Vienna	
	Faulhaber & Co.* Goldeggasse 4 Vienna IV, and Seilerstasse 11 Vienna I	
	Katherine Feller Vienna	Oil equipment
	Haselgruber Lins (Branch in Vienna)	Steel mill products
	Begovich, Julius* Pohlsgasse Vienna XII	
	Ditz, Michael* Rosasgasse 34 Vienna XII	
	Eisler, Emerich* Operngasse 4 Vienna I	
	Friedmann, Alex* Am Tabor 6 Vienna II	
	Hutschnegger* Vienna	
	Intrac G.m.b.H. Singerstrasse 27 Vienna	
	Kaeferboeck, Friedrich* Porzellangasse 2 Vienna IX	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Austria (Cont.)	Glaser* Salzburg	
	Miretsky Vienna	Copper
	Mitelman	
	Karner & Flars Vienna (Soviet Sector)	
	Kovacs, Martin* Klosterneuburgstrasse 47 Vienna XX	
	Kraft, I.* Seilergasse 14 Vienna II	
	Kutner, Ignatz Vienna (Soviet Sector)	
	Lichtenstein & Richter Vienna	Non-ferrous metals
	Loewenthal, Karl* Margarothengl. 5 Vienna V	
	Merk* Seitzerg. 1 Vienna I	
	Metall & Lurgi Vienna	Copper
	Northwestern Trading Co. Vienna	
	Ploss, Otto (or Ploess) Vienna	Bearings
	Pohl* Vienna	
	Polkarbon Vienna	
	Reitss, Baron* Universitaetstrasse 5 Vienna I	
	Schmied, Frau* Vienna	Bearings
	Schneisecker* Salzburg	
	Siemens & Hlaske Vienna	
	Statnik* Grossmarkthall Vienna III	
	Snabo, Bela Vienna	
	Stendro, Istvan* Salzgrasse 7 Vienna I	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Austria (Cont.)	Vienna Laenderbank + Vienna	
	van Terssch, Egon*	
	O. Tiller Vienna (Soviet Sector)	
	Traunstein-Vertrieb* Am Heumarkt 13 Vienna III	
	Marchlewski, Bruder* Vienna	
Belgium	Bass, Joseph 13 Avenue Marnix Brussels	Non-ferrous metals
	Belgian Bluefries Ltd.* 25 Canalvieux, Leon Antwerp	
	Central Impex 60 rue Ravenstein Brussels	Bearings
	Cobata Corp.* Brussels	
	Corneliusson & Stakgold, Inc. Antwerp (Home Office, U.S.)	Vehicles and parts
	Dennet, F.* Brussels	
	Etablissements P. Lambreau* Brussels	
	Givatowsky, Alexandre Brussels	
	Govers and Coils* 6 Rue Reynders Antwerp	
	La Continentale Menkes Brussels	
	Handelsonderneming H.I.B., N.V. Amsterdam	
	Lalemant, L. & J	
	Liebermann, S. Shell Building Brussels	Bearings
	Lippman, Andre	
	Meselman, Rene Brussels	
	Dugar & Roheim Brussels	Machine tools
	J. Niederding & Fils	

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<u>Country of Origin</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Belgium (Cont.)</u>	Rohain, George Brussels	Machine tools
	Soceli* Brussels	
	Anton Smits & Co.* Antwerp	
	Van Lee, Victor F. Antwerp	Scrap iron, war surplus
<u>Denmark</u>	Dansk Industry Syndicate Madsen	Military equipment
	Stayer & Co.	
<u>England</u>	Anglo-Austrian Trading Co., Ltd. London	
	S. J. Barnett Co., Ltd.* Derbyshire House, Belgrave St., London	
	Elrics, Ltd. Birmingham	Electric furnaces
	Brenar* London	Electrodes
	Corregidor, Ltd. 4-5 Holborn Circle London	Abrasives
	De la Rue* Regent St. London	
	Diamond Trading Co.*	Industrial diamonds
	Diamond Distributors*	Industrial diamonds
	Early Export*	Construction equipment
	Correll, J.H.*	
	International Marketeers London	Construction equipment
	Irrington, Ltd.* Irrington	
	Kelvina & Hughes	
	Macneal & Co. Ltd., London	Bearings
	Metal Utilization, Ltd. London	
	Mowbrey, M.J., Ltd.* London	
	Newton Ltd.*	Machine tools
	Nussebaum, Arthur*	
	Plunkett, D.F.*	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>England (Cont.)</u>	A. Revai & Co., Ltd. London	
	Rotunda Ltd.* London	
	Schmid, Rudolph London	Bearings
	Suflex Ltd.* London	
	Wagner, Carl* 59 Priory Road West Bridgford, Nottingham	Machine tools
	AC Wickman Ltd.* Coventry	Machine tools
	World Traders Limited* 28 Craven St., Charing Cross London	
<u>Finland</u>	Sekapp* Helsinki	
<u>France</u>	Vidler & Cie Paris	Carbon black
<u>GERMANY</u>	Apel, Ing* Munich	Bearings
	Bullaty, (fnu)*	
	Cstroba* near Frankfurt	Ferro-alloying metals
	Deutsche Aussehenhandels ("DAHA") Berlin	
	Drevici, Eze Frankfurt	Oil equipment
	Klein, Stefan Berlin	
	Kontrol A.G. Berlin	
	Lurgi Co.* Frankfurt	
	Nagel, Richard	
	Otrubec, Egon* Near Heidelberg	
	Singer, Nathan Hotel Metropol Monopol Frankfurt	Bearings
	Voss* Berlin	
	Wirth Factory near Aachen	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Italy</u>	Aeronavali* Venice	Vehicles
	Aerailta*	Aircraft and parts
	Alseck, Pisko Corso 22 Marzo 48 Milan	
	American Commercial Co.* Milan	
	Angelo, Ing*	
	Ansaldo Works Turin, Genoa	Machine Tools
	Apir* 3 Piazza Borghese Rome	
	Arar* Rome	War Surplus
	Arisi, Edoardo*	
	Attas & Milone Rome	
	Bandelli, Claudio* 58 Via Archimede Milan	
	Belatic & Edeli* 2 Via Locatelli Milan	
	Cavazzana, Giuseppe* 15 Via Conservatorio Milan	
	Coeba (Copangia Europea Balcanica), Milan Coeor (Compagnia Centro Orientale) Milan	
	Cohen, Isaac & Israel Rome	
	Dbrkowski, Riccardo*	
	Demarchi* Rome	
	Fukaro Via Borgonuovo 11 Milan	Bearings
	Fulop, Alexander	Bearings
	Grasiadei, Dr. Francesco Milan	
	Italgrano Milan, and Rome	
	Kalendjiev, Serghei (Kalendjieff, Sergui) 28 Corso 22 Marzo, Milan	
	Kaufmann (fnu)	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Italy (Cont.)</u>	Lassersons, Simon*	
	Leone Export	
	Mazzoleni, Emilio*	
	Rome	
	Mevorah, Elisser (Mevorak, Lazzaro)	
	Via Pacini 34	
	Milan	
	Mendial*	
	15 Via Aurelio Saffi,	
	Milan	
	O.M.A.R. (Olei Minerali Affini)	
	4 Corso Matteotti	
	Milan	
	Pfenniger, Ernst*	
	Pistrantonio*	
	Pilesov (Pelosoff), Raffaele	
	Via Pacini 34	
	Milan	
	Rohrach, Ruth*	
	Sacian	Bearings
	Sorso di Porta Nuova 20	
	Milan	
	Saima (Soc. An. Innocente Mangili	
	Adriatica)	
	Schindler, Koloman	
	Merano	
	Signorelli, Arturo	
	Milan	
	Silta Ltd.	
	Milan	
	Simes	
	S.I.R.E.* (Societa Importazioni Rappre-	
	Milan sentranse Esportazioni)	
	SOCI (Societa Commercio Internazionale)	
	3 Piazza Santa Maria Beltrade	
	Milan	
	T.I.C.E. (Trasporti Internazionale	
	Milan Centro Europea)	
	UTAI*	
	Rome	
	Vanini, Inu*	
	Milan	
	Villi, Giovanni*	
	4 Piazza Erba	
	Milan	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Netherlands</u>	Robo Internationale Handelsonderneming* Herengracht 560 Amsterdam	
	Handelsonderneming Orion* Den Haag	
	Handelsonderneming H.I.B., N.V. Amsterdam	
	Paneuram Handelscompagnie, N.V. Amsterdam	
<u>Sweden</u>	Andren, Bo Ine Rutger* Stockholm	
	Njalmar Andren & Soner* Kaptensgatan 6 Stockholm	
	Isola Gruvindustri* Kaptensgatan 6 Stockholm	
	Leon Milezyn* Strandvagen 13 Stockholm	
<u>Switzerland</u>	A.O.E. Leuprecht-Rapp Geneva	
	Abel, Alexander & Frederick Vaduz	Oil equipment
	Aekerman, Anton and Emil Olten	
	ACPI S.A. Lugano	Bearings
	Adam, Hans Basel	
	Alipro*	
	Amropa A.G.* Murtengasse 9 Basle	
	APECO* Zurich (London)	
	Arma-Techne* Kollnerstrasse 14, Zurich	Copper
	Bachofen, Heinrich* Zurich	
	Baumgartner Zurich	Bearings
	Birnbaech, Erich	
	Boch, F.*	
	Besshardt & Imhof*	
	Braunstein, Jakob Zurich	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Brodheim-Klunak, Leopold Sternenstr 22 Zurich	
	Buehler, Stefan Kirchenfeldstrasse 42 Bern	
	GECK-Graphitwerke A.G.* Zurich	
	Chasi, Inu*	
	Chemische Fabrik* Schweizerhalle Baselland	
	Commerz u. Finanz A.G. Alpenquai 22 Zurich	
	Contrand Freres S.A.* Geneva	Bearings
	Contrax A.G. Therwilerstr 50 Rheinach Baselland	
	Conza Zurich	Non-ferrous metals
	Crazy, Albin	
	Dacia* Proserri Petroliferi Chiasso	
	Dankas Basel	
	Dehag Co. Zurich	
	Drevici, M.N. Lausanne	Bearings
	Dymetman, Inu Zurich	
Eckert, Inu* Zurich, Munich		
Elmag-Schnyder Zurich	Machine tools	
EMAG Zurich		
EXPO, Export and Import A.G. 41 Talackerstrasse Zurich		
EXPORTAG, Zurich		
FALTIMEX, Zurich		
Fieldstein, Jacob* Geneva		
Fleischmann, Dr. Carlo Zurich		

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<u>Country of Origin</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Frigniment Import G.m.b.H. St. Margrethen Gal, Andreas L.	Bearings
	Gambare, Hans Kusnach	
	Gebrüder Greb Zurich	Bearings
	Gelles, Fritz	
	Globe Trade Zurich (Vaduz, Lichenstein)	
	Goldberg, Fritz, Dr.* Zurich	
	Grief, Robert	
	Hacoba A.G.* Obermillerstr 159 Basel	
	Haegler, Dr. Harry Zurich	
	Hanno, Brühin Zurich	
	Hagedus, Eds* Zurich	
	Hegetschweiler, Frau Hofstr 108 Zurich	
	Helve, Heller & Veburka* Vienna	
	Hilb, Kurt Switzerland	
	Hobro A.G. 6 Gotthard Strasse Zurich	
	Inhauka Commercial & Financial Ltd. Zurich	
	INDECO* Geneva	
	Intrahandels Obstgartenstr 28 Zurich	
	Johal Metallurgische Produkte St. Gallen	Carbon Black
	Laetsch, Walther* Zurich	
	Langloh, Werner*	
	von Lichtnecker, Huber* Zurich	
	LEMAPOR A.G.* Zurich	oil equipment

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SECRETCountry of DomicileName and AddressCommodity Specialty

Switzerland (Cont.)

Marky, Friedrich
ZurichMaschinenruhl, A.G.
Klausstr. 19
Zurich

Machine tools

Masurek, Ewald*

Max Meiler & Grenchen*

Mobiliare Verkehrs A.G.
Pelikanstrasse 22
ZurichModaplast*
Beatengasse 1
ZurichNisple M.H.
Dufourstrasse 36
Zurich

Bearings

Mittex*
Itten,
Zurich

Oblath, Dr. George

Oceanic Trading Co.
Geneva

Aircraft parts

Ofina A.G.
22 Alpenquai
ZurichOMACK
Baufeldstrasse 7
ZurichOSBORN A.G.*
Zurich

PANGOSMA Ltd.*

Qualytechna, A.G.
ZurichJ. Rahower-Schmid Casasol Sole*
Lugano-ViganelloHeinrich Reimann & Co.
Beckenhofstrasse 70
ZurichRemenyik, Tiber
Bederstrasse 123
Zurich

RIVI A.G.*

Peter Roth
G. Leibowitz & Schneplant
Bertastrasse 1
ZurichRuels (K...)
Zurich**SECRET**

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
Switzerland (Cont.)	Salmanowitz	
	SARMATT Eikon Lucerne	Bearings
	SATK Zurich	
	SATURN* Zurich	
	Scharrenbreuch, Carl Zurich	
	Scheller, Heinrich* Zurich	
	Scherrer, Louise*	
	Seuz* ()	
	Sewachstron-Technik A.G.* Zurich	
	Societe pour le Commerce Extérieur* Zurich	
	Societe Generale de Surveillance Geneva	
	SONDYNA* Hedwigstrasse Zurich	
	Standard-Handels A.G.* Zurich	
	Staubli, R Zurich	
	Steiner* () Zurich	
	Szalai, Dr. William 16 Rue de Coutance Geneva	Non-ferrous metals
	Thiel, Reinhold* 15 Rue de la Cite Geneva	
	Tolnay, Richard	
	Textil A.G. St. Peterstr. 1 Zurich	
	Transarta Trading Co. Geneva & London	
	Transatlans A.G.* Merkurstr 20 Zurich	
	Transfer* Lugano	Copper
	Tuescher, Oskar*	

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<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
<u>Switzerland (Cont.)</u>	Ulrich, A.G.* Zurich	
	Walla A.G.* Zurich	
	VIZ ALLIANCE* Zurich	
	Villalaz, Francois* Zurich	
	VITALIPON A.G.* Stampfenbachstr 135 Zurich	
	Vonrufs, Ernst*	
	Waldar, Ernst*	
	Waelchli, Adolph* Stampfenbachstr 135 Zurich	
	Waelchli, Johann F. Zurich	Bearings
	Urban Warner* Lugano	
	Winter, Alexander	
	Wertli, Alfred Baden	Bearings
	Wiala A.G. 8 Genferstrasse Zurich	
	Wieg, Edgar, and Lydia	
	World-Handels A.G.* Zurich	
Paul Wormser & Co. Zurich		
<u>Trieste</u>	ADVIAIMPEX Strakakis (alias Trakakis)	Carbon black
<u>LATIN AMERICA</u>		
<u>Argentina</u>	FAMA Buenos Aires Bronskey, Zdzislaw* Sec. Ind Electro-Mechanica S.R.L. Buenos Aires	
<u>Brazil</u>	Velasco, Guillermo Arinez*	Industrial diamonds
<u>Chile</u>	Luft, David*	

SECRET

SECRET

<u>Country of Domicile</u>	<u>Name and Address</u>	<u>Commodity Specialty</u>
LATIN AMERICA (Cont.)		
<u>Mexico</u>	Compania de Swaan S.A.	
	Gebels, Sergio	
	CONTINEX Montevideo	Graphite electrodes
NEAR EAST		
<u>Egypt</u>	Amatis Brothers Ltd. Cairo	
	Compagnie Commercial Cotoniere*	
	Mamatis, Dimitri Cairo	
	Shelton, Rachid* Cairo	
	Ste de Commerce et de Compensation* pour le Moyen Orient Cairo	
<u>Israel</u>	Alkalay, Peres* Tel Aviv	
	Oriental Trading Co. Ltd. Tel Aviv	
<u>Lebanon</u>	Nasim & Fadal Gadour* Beirut (Istanbul)	
<u>Turkey</u>	Birtas Birlesik Endustrie* va Ticaret Kute-Han Galata, Istanbul	
	Merieli, Ibrahim Istanbul	Copper
	Tjevouris Bros Istanbul (and Beirut)	Vehicles

SECRET

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SECRET

CENTRAL INTELLIGENCE AGENCY

Project: IP-68

OFFICE OF REPORTS AND ESTIMATES

Project Initiation Memorandum

Date: 14 Feb. '50

To: D/No

From: Publications Division, Projects Planning

25X6

Subject: [REDACTED]

Statement of Project:

25X1A

Origin: Internal [REDACTED]

25X6

Problem: [REDACTED]

Scope: The specific information sought has already been forwarded to you.

Graphics (if any): ..

Form: Memorandum, original & 1 carbon.

Draft due in D/Pub: 17 Feb. '50

Dissemination deadline
(if any)

Responsible Division: D/No

17 Feb. '50

Internal Coordination: D/In, ER

Departmental Responsibilities: None

Classification to be no higher than: Secret

Recommended Dissemination: Requester only

*Memo in partial fulfillment
of request was forwarded on
20 Feb. No copy presently
available for our files*

SECRET

49301

SECRET

10 February 1950

25X1A

MEMORANDUM FOR: ORE D/Pubs.

ATTENTION :

25X6□

SUBJECT :

REFERENCE :

Case

25X1A

1. In confirmation of our conversation of 9 February 1950, it is requested that this office be furnished the following information:

25X6□

25X1A

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CONFIDENTIAL

CENTRAL INTELLIGENCE AGENCY

Project: **TP-69**

OFFICE OF REPORTS AND ESTIMATES

Project Initiation Memorandum

Date: 14 Feb. '50

To: D/NE

From: Publications Division, Projects Planning

Subject: Bulgarians in Israel

Statement of Project:

25X1A

Origin: Internal [REDACTED]

Problem: To furnish specified information on Bulgarians in Israel

Scope: Request includes: Numbers
Current immigration
Communist penetration
Political & economic activities

Graphics (if any):

Form: Memo --(org. & 1)

Draft due in D/Pub: 16 Feb. '50

Responsible Division: D/NE

Dissemination deadline
(if any)

16 Feb. '50

Internal Coordination: D/NE

Departmental Responsibilities: None

Classification to be no higher than: **Secret**

Recommended Dissemination: Requester only

Memo in reply received
on 17 Feb. 6 delivered. No
carbon copy provided.

CONFIDENTIAL

CONFIDENTIAL

1P-69

14 February 1950

MEMORANDUM FOR: D/Pub, ORE

ATTENTION :  25X1A

SUBJECT : Bulgarians in Israel


It is requested that this office be furnished with the following information concerning subject.

(by 16 Feb)

- a. Number
- b. General activities
 - 1. Political
 - 2. Economic
- c. Degree of penetration by Communists.
- d. Approximate number of new arrivals monthly.



25X1A

Reference: Case 

25X1A

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CONF.
CENTRAL INTELLIGENCE AGENCY

Project: IP-70

OFFICE OF REPORTS AND ESTIMATES

Project Initiation Memorandum

Copies to E17 (4)

AD/ORE

file

(No notification for State)

Date: 20 Feb 50

To: D/EE

From: Publications Division, Projects Planning

Subject: Evaluation of Marquis Childs column

Statement of Project:

25X1A

Origin: Internal

Problem: To evaluate report of imminent Soviet denunciation of
Treaty with Finland, and to estimate probable Soviet actions
Scope: following such a move.

The column report in question was contained in
a syndicated column by Marquis Childs which appeared in
the Washington Post on 10 February 1950.

Graphics (if any):

Form: Memo: original + 2

Draft due in D/Pub: earliest possible time

Note: This request was phoned in
on 10 Feb, to be confirmed in
writing; confirmation, tho prepared
on 10 Feb, was not forwarded until
20 Feb.

Dissemination deadline
(if any)

Responsible Division: D/EE

Internal Coordination: —

Departmental Responsibilities: —


Classification to be no higher than: Top Secret

Recommended Dissemination: Requestor only

CONFIDENTIAL

49445

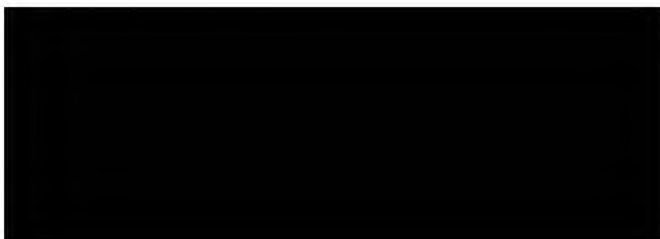
10 February 1950

MEMORANDUM FOR: D/Pub, ORE
ATTENTION :  25X1A
SUBJECT : Request for Evaluation
REFERENCE : "Soviet Threat to Finland" by
Marquis Childs, Washington Post,
10 February 1950

1. It is requested that this office be furnished an evaluation of the report contained in subject article to the effect that Russia is ready to denounce its treaty with Finland.

2. It is further requested that this office be furnish an estimate of the probable actions of the Soviets following such a move.

25X1A



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26a

~~CONFIDENTIAL~~
CENTRAL INTELLIGENCE AGENCY

AD/ORE

Project: IP-70

OFFICE OF REPORTS AND ESTIMATES

Project Initiation Memorandum

Date: 20 Feb. '50

To: D/EE

From: Publications Division, Projects Planning

Subject: Evaluation of Marquis Childs column

Statement of Project:

25X1A

Origin: Internal [REDACTED]

Problem: To evaluate report of imminent Soviet denunciation of treaty with Finland, and to estimate probable Soviet action following such a move.

Scope: The report in question was contained in a syndicated column by Marquis Childs which appeared in the Washington Post on 10 February 1950.

Note: This request was phoned in on 10 Feb, to be confirmed in writing; confirmation, tho prepared on 10 Feb, was not forwarded until 20 Feb.

Graphics (if any):

Form: Memo: original and 2

Draft due in D/Pub: earliest possible time

Responsible Division: D/EE

Dissemination deadline
(if any)

Internal Coordination: --

Departmental Responsibilities: --

Classification to be no higher than: TOP SECRET

Recommended Dissemination: Requester only

~~CONFIDENTIAL~~

20 FEB 1950
AD-19

~~CONFIDENTIAL~~

25X1A

25X1A

23 February 1950

IP-70, Case No. [REDACTED]

SUBJECT: EVALUATION OF "SOVIET THREAT TO FINLAND" by Marquis Childs,
The Washington Post, 10 February 1950

Mr. Childs' article appears to be based on rumors current in Scandinavia at the time it was written. Similar rumors have formed the basis for other alarmist articles which have appeared in the world press from time to time because of Finland's precarious situation on the border of the Soviet Union. In this instance the rumor was current that the Soviet Union intended to abrogate the Treaty of Friendship and Mutual Assistance concluded in April 1948. It was probably stimulated by the USSR's opposition to President Paasikivi's reelection on 15 February. This opposition manifested itself in a Soviet aide memoire of 31 December 1949, which accused Finland of violating the Peace Treaty by failing to return war criminals to the USSR, and a subsequent Pravda article which charged Finland with violation of the Treaty of Mutual Assistance as well as the Peace Treaty. Mr. Childs' article appears to be a further development of the original rumor.

It is believed that the USSR is not contemplating either the denunciation of the Peace Treaty or the abrogation of the Treaty of Friendship and Mutual Assistance. It is not believed that the USSR, in its efforts to bring about a more friendly government in Finland, will at this juncture proceed beyond its familiar program of propaganda harassment.